

Considered: _____

WATER PERMIT NO. 5710-3

Phone: 339-7025

Name of Applicant: City of Sioux Falls

Post Office Address: 224 West 9th St, Sioux Falls SD 57102

Amount of Water Claimed: 3.02 cfs - 1210 ac-ft Total Acres: NA

Source of Water Supply: groundwater (2 wells)

Water to be used for: municipal County: Minnehaha

About _____ miles _____ of _____

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY Date Received: 9-4-92 Fee: received 3-4-93 Remarks Sent invoice

for fee 9-9-92

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

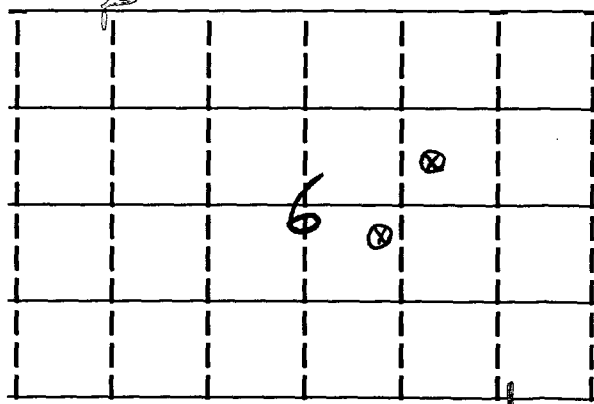
WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

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

Diversion Point: SE 1/4 NE 1/4 & NW 1/4 SE 1/4

Sec 6-T101N-R49W

Land to be Irrigated: _____



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

Depth of Well: 43' & 44' REMARKS _____

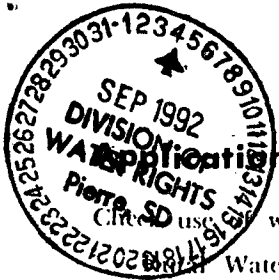
Type of Map: topo PREPARED BY: Lyle D Johnson, P.E. Reviewed and the Number

Assigned on 9-8-92 By Karen Schlaak

Agreement # 513-92
Dept 73-65008

FORM 2: Application for uses other than irrigation (type or print)

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



No. 5710-3 Hydrologic Unit 10170203
Map No. _____ Basin Big Sioux River
Newspaper Argus Leader, PO Box 5034

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

water: Industrial ☐ Commercial ☐ Municipal ☒ Other Common Distribution System ☐
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 Sioux Falls Phone No. 605-339-7025

Post Office Address 224 West 9th Street, Sioux Falls State SD 57102
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s) ~~3.02~~ 2.02 cfs and 1210 acre-ft/year

3. Source of water supply Big Sioux Aquifer

4. Location of point of diversion SE 1/4 NE 1/4 (Well 65); NW 1/4 SE 1/4 (Well 64)
Section 6-T101N-R49W

County Minnehaha

5. Counties where water will be used Minnehaha

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

These two wells were initially built under Permit #5235-3. The six wells built under that permit produced more water than requested. We are requesting a new permit for these two wells so that the other four wells can be licensed under Permit #5235-3.

Increase diversion rate without an increase in annual volume.

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 Minnehaha, ss

I, Jack White, Mayor 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 Jack White

Subscribed and sworn to before me this _____ day of AUG 31 1992

DIANNE METLI, Notary Public
My Commission Expires Dec. 3, 1992

Notary Public

**SOUTH DAKOTA
WATER PERMIT NO. 5710-3**

Date of first receipt of application September 4, 1992.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5710-3 to the City of Sioux Falls, 224 West 9th Street, Sioux Falls SD 57102 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. 5710-3 increases the diversion rate by 2.02 cubic feet of water per second (cfs) from the six wells authorized by Water Permit No. 5235-3 without an increase to the annual volume of water. Water Permit No. 5235-3 appropriates 6.45 cfs from 6 wells (Big Sioux:Sioux Falls Management Unit) located in the SE 1/4 SE 1/4 Section 29, NE 1/4 NE 1/4 Section 32; in T102N-R49W and the NW 1/4 SE 1/4, SE 1/4 NE 1/4 Section 6-T101N-R49W. This permit increases the total diversion rate from the wells by 2.02 cfs to 8.47 cfs. This is the diversion rate which existing wells are capable of producing. This permit establishes a maximum annual withdrawal limit of 3,220 acre-feet from the six wells.
2. The water appropriated shall be used for the purpose of supplying water to the City of Sioux Falls 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 of approval of Permit No. 5710-3 is December 2, 1992.
5. The date from which applicant may claim right is September 4, 1992.
6. 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 wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Approval of Permit Nos. 5235-3 and 5710-3, combined, authorize a total annual diversion of 3,220 acre-feet of water annually.
3. The City of Sioux Falls shall report to the Chief Engineer annually the amount of water withdrawn each year from the Big Sioux:Sioux Falls Management Unit.

(continued)

4. If development and pumping of the Big Sioux:Sioux Falls Management Unit at the increased diversion rate authorized by Water Permit No. 5710-3 results in adverse impairment of adequate domestic wells or adequate wells having prior water rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.

WATER MANAGEMENT BOARD

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

MAY 19 1993

date

Supplemental Information

(type or print in ink)



1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 inches Depth 43 feet
- b) Casing Type PVC Diameter 12 inches Thickness 0.49 inches
- c) Screen Type PVC Diameter 12 inches Thickness 0.49 inches
- d) Gravel Pack Thickness 4 inches Length of Gravel Pack 9 feet
- e) Depth to Top of Water Bearing Material 11 feet
- f) Depth to Water (ground surface to water level) 17 feet
- g) Distance to nearest existing domestic well:
 On applicants property 800' (municipal well) On property owned by others Greater than 1000 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 _____

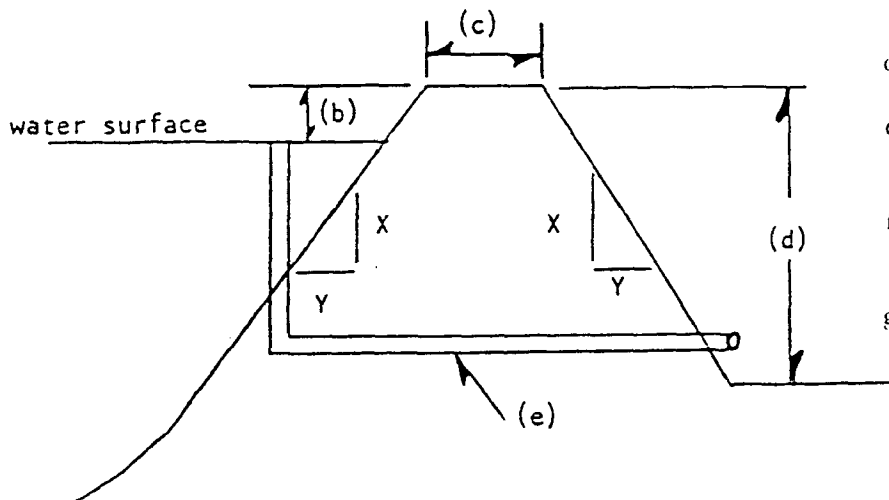
g) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Kurt Long, PE.
 Signature of Applicant

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 20 inches Depth 44 feet
- b) Casing Type PVC Diameter 12 inches Thickness 0.49 inches
- c) Screen Type PVC Diameter 12 inches Thickness 0.49 inches
- d) Gravel Pack Thickness 4 inches Length of Gravel Pack 10 feet
- e) Depth to Top of Water Bearing Material 8 inches
- f) Depth to Water (ground surface to water level) 13 feet
- g) Distance to nearest existing domestic well:
On applicants property 800' (municipal well) On property owned by others Greater than 1000 feet

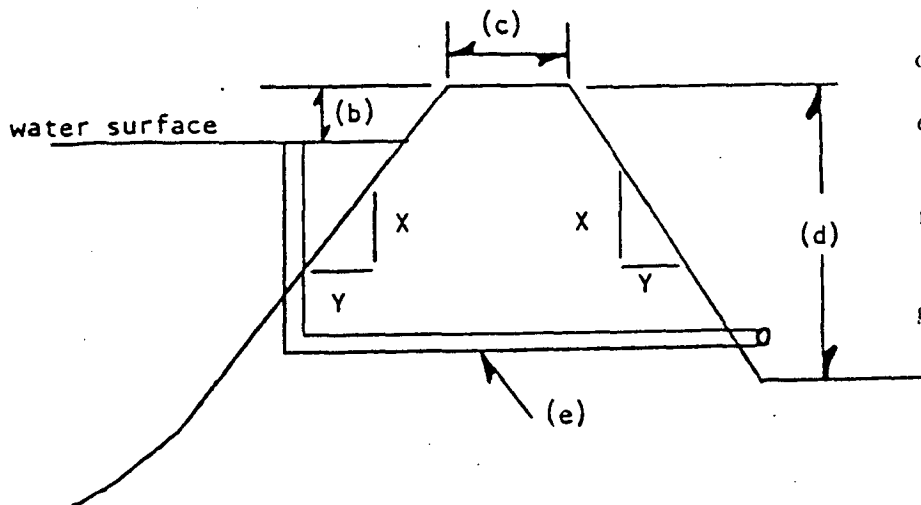
2. Dugout Information Estimates

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

3. Water Storage Dams

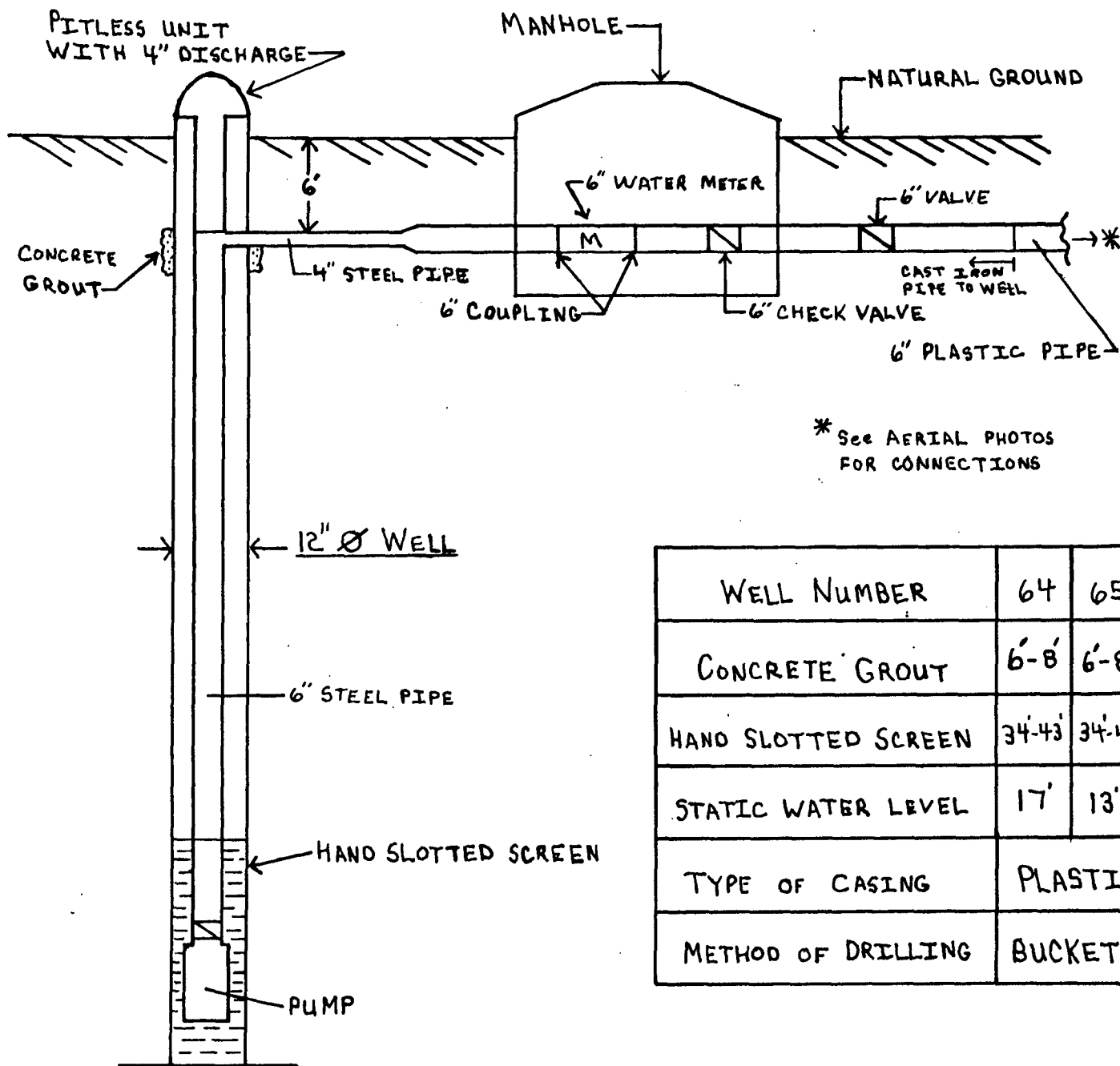
If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should be shown on the map submitted with the application.

- 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 _____

Reid De Jong, P.E.
Signature of Applicant



WELL NUMBER	64	65
CONCRETE GROUT	6'-8'	6'-8'
HAND SLOTTED SCREEN	34'-43'	34'-44'
STATIC WATER LEVEL	17'	13'
TYPE OF CASING	PLASTIC	
METHOD OF DRILLING	BUCKET	



SCHEMATIC DRAWING OF TEMPORARY

WELLS No. 64 & 65

SIOUX FALLS, SOUTH DAKOTA

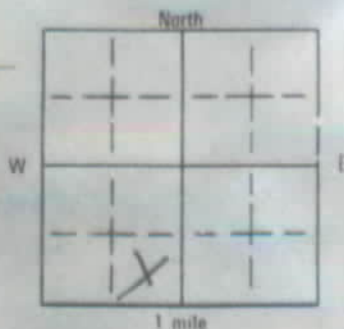
SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

(17)

Location SE 1/4 Sec 29 Twp 102-N Rg 49-WCounty
MinnehahaPlease mark well
location with
an "X"

60

Well Completion Date 9-6-88

PROPOSED USE

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

Method of Drilling:

Bucket

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 ☐ NOTo what depth? 0-6' FEETWhat is grouting material? Cement

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 10' FEETMaterial Hand SlottedSlot Size _____ Set From 29 Feet To 39 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

Well Owner

Name City of Sioux Falls

Address _____

Well Log _____

Depth

Formation

From To

<u>Topsoil</u>	<u>0</u>	<u>2</u>
<u>Sea mud</u>	<u>2</u>	<u>6</u>
<u>Yellow Sand</u>	<u>6</u>	<u>10</u>
<u>Brown Sand</u>	<u>10</u>	<u>18</u>
<u>Grey Sand</u>	<u>18</u>	<u>39</u>

STATIC WATER LEVEL 6' 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

20 ft. After 24 Hrs. pumped 900 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS

Good wellThis well was drilled under license # 111

And this report is true and accurate

Drilling firm Lacey Well Drilling

Signature of License Representative

Joan Redden

Signature of Well Owner

[Signature]

SOUTH DAKOTA WATER WELL COMPLETION REPORT

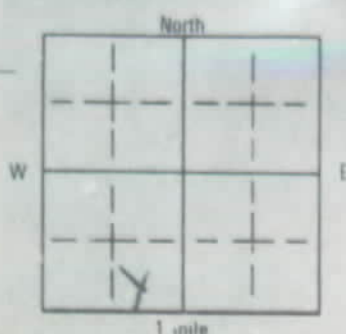
10-85

⑧

Location SE 1/4 Sec 29 Twp 102-N Rg 49-WCounty Minnehaha

Please mark well location with an "X"

61

Well Completion Date 9-11-88

PROPOSED USE:

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

Method of Drilling:

Bucket

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 ☐ NOTo what depth? 0-10' FEETWhat is grouting material? Cement

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 10' FEETMaterial Hand StakedSlot Size Set From 27 Feet To 37 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? _____

Is well to be tested upon completion? ☒ YES ☐ NO

Well Owner:

Name City of Sioux Falls

Address _____

Well Log _____

Formation _____

Depth

From To

Topsoil	0	3
Sandy Clay	3	10
Sand	10	12
Mud	12	14
Good Gravel	14	30
Good Sand	30	32
Good Gravel	32	37

STATIC WATER LEVEL 10' 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 _____

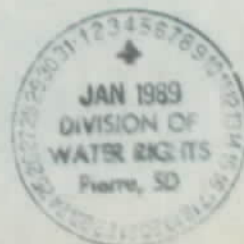
Pumping Level Below Land Surface

25' ft After 6 Hrs pumped 600 GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS

This well was drilled under license # 111

And this report is true and accurate

Drilling firm Lacey Well Drilling

Signature of License Representative

Signature of Well Owner

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

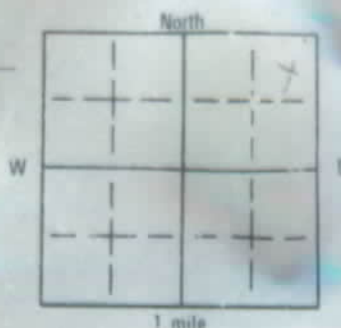
Location NE 1/4 NW 1/4 Sec 32 Twp 10 2N Rg 49W

County

Minnehaha

Please mark well location with an "X"

63

Well Completion Date 11-3-82

PROPOSED USE

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

Method of Drilling:

Bucket

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:

Has the well grouted? ☒ YES ☐ NOTo what depth? 0-6 FEETWhat is grouting material? Cement

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 10' FEETMaterial Heavy SlottedSlot Size Set From 28 Feet To 38 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 inspected upon completion? ☒ YES ☐ NO

Well Owner:

Name

City of Sioux Falls

Address _____

Well Log _____

Depth

Formation

From

To

<u>Topsoil</u>	<u>0</u>	<u>2</u>
<u>Clean Sand</u>	<u>2</u>	<u>6</u>
<u>Clean Gravel</u>	<u>6</u>	<u>35</u>
<u>Rocky Gravel</u>	<u>35</u>	<u>38</u>

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☐ Bailed

Describe _____

☐ Other _____

Pumping Level Below Land Surface

25' ft After 6 Hrs. pumped 500 GPM

_____ ft After _____ Hrs. pumped _____ GPM

_____ ft After _____ Hrs. pumped _____ GPM

REMARKS

This well was drilled under license # 111

And this report is true and accurate

Drilling firm Lacey Well Drilling

Signature of License Representative

Joan Rodden

Signature of Well Owner

[Signature]

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

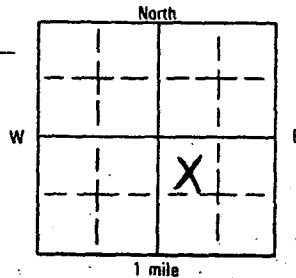
Location Twp 14N Rg 49W

County

Minnehaha

Please mark well location with an "X"

64

Well Completion Date 11-17-88

PROPOSED USE:

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

Method of Drilling:

Bucket

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 ☐ NOTo what depth? 6.8 Cement FEETWhat is grouting material? CementIf cement, number of sacks? 8-11 Baskets

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 12" IN Length 9' FEETMaterial Hand SiftedSlot Size _____ Set From 34 Feet To 43 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 ☐ NOLaboratory sent to State Lab

Well Owner:

Name City of Sioux Falls

Address _____

Well Log:

Depth

Formation	Depth	
	From	To
<u>First P.t</u>	<u>0</u>	<u>11</u>
<u>Clean Sugar Sand</u>	<u>11</u>	<u>12</u>
<u>Black Clay</u>	<u>12</u>	<u>14</u>
<u>Gravel</u>	<u>14</u>	<u>17</u>
<u>Mud (sand)</u>	<u>17</u>	<u>29</u>
<u>Gravel (Mud)</u>	<u>17</u>	<u>29</u>
<u>Good Gravel</u>	<u>29</u>	<u>43</u>

STATIC WATER LEVEL 17' 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☐ Other

Pumping Level Below Land Surface

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS:

This well has p.t. less unit on it.This well was drilled under license # 111

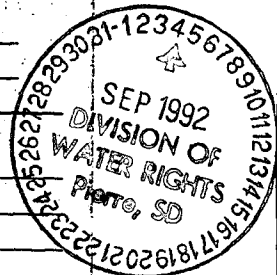
And this report is true and accurate.

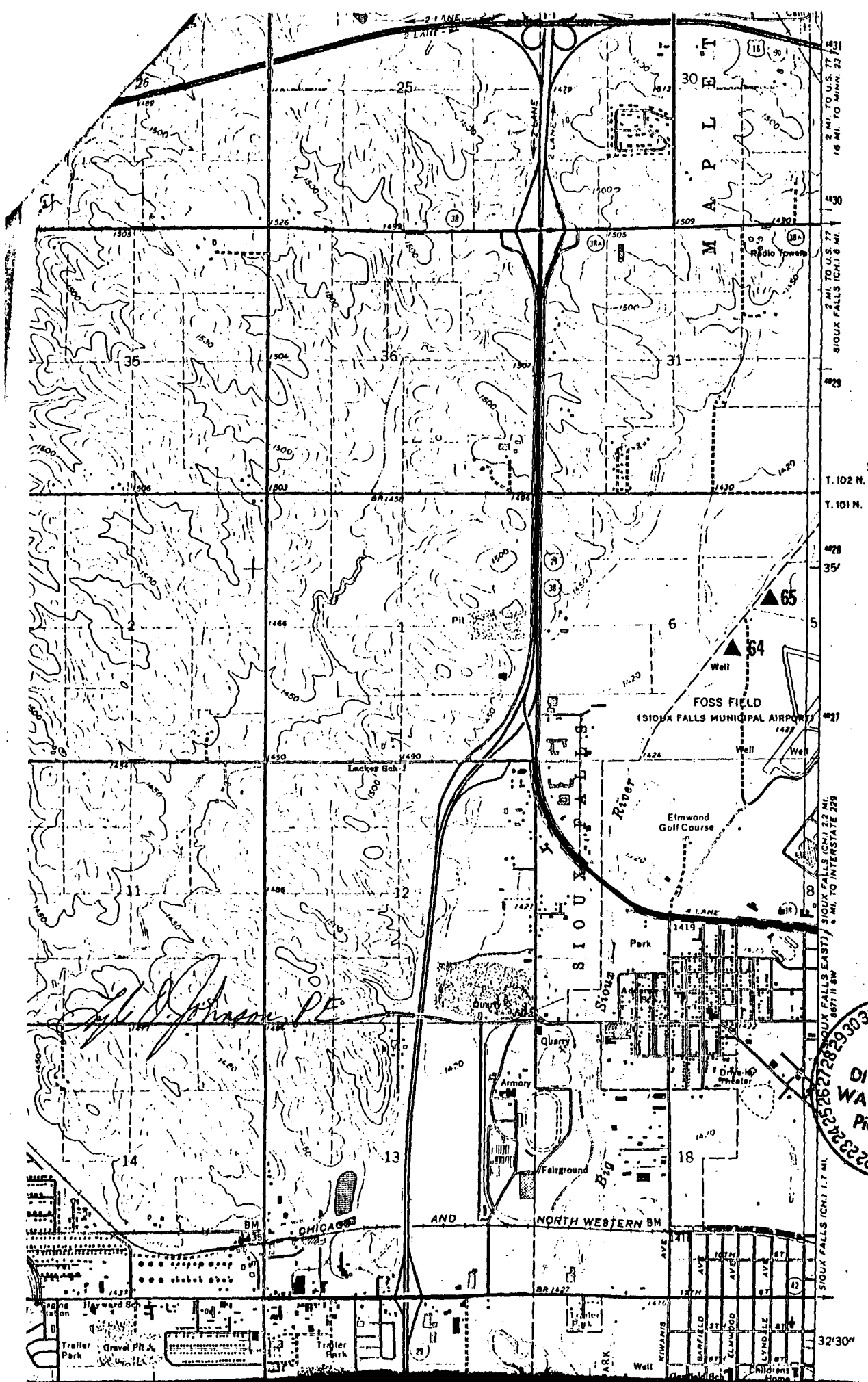
Drilling firm Lacey Well Drilling

Signature of License Representative:

Signature of Well Owner:

Date

11-30-88



SEP 1992
DIVISION OF
WATER RIGHTS
Pierre, SD

Appl. No. 5710-3

RECEIPT

413661

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ March 4, 19 93

RECEIVED OF City of Sioux Falls, Sioux Falls, SD 57102

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

Fee for Application for Permit No. <u>5710-3</u> to Appropriate Water, to construct and to put water to beneficial use _____	150	00
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	150 00

By John Hatch
Chief Engineer



CITY OF SIOUX FALLS UTILITIES



August 24, 1992

Mr. Ron Duvall
DENR - Water Rights
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Dear Mr. Duvall:

On the attached sheet, I have outlined the information concerning the three well permits that are addressed in your June 17, 1992 letter. This information shows the peak flow rate that we have seen for each well since the wells were put into use; the most water used from each well in any one year; and the percentage of the year that the wells were actually in use. The information also shows the peak flow rate and the maximum yearly flow rate for each permit.

I have also included our recommended peak flow and annual acre-foot limits on this sheet. I reviewed our records and found that in 1989, the wells in Permit #5127A-3 were used an average of 5565 hours each or 63.5 percent of the hours in the year. Based on this information, I projected a maximum well usage of 65 percent of the hours in the year. I then increased the acre-foot quantity for the highest usage year to reflect the wells running 65 percent of the time. This is the number that I have used for the recommended permit acre-foot quantity. The recommended permit cfs quantity is the rounded off sum of the peak rates from the individual wells.

Based on the above information, Permits #5115-3 and 5127A-3 will have a licensed cfs rate and acre-foot rate that is lower than what was requested in the permit application. It is our understanding that this reduced rate will go back into our future use permit and that there is a licensing fee, but no additional permit fee to reduce these quantities.

Utility Office
224 West Ninth Street
Sioux Falls, SD 57102
(605) 339-7031

Water Purification
2100 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7025

Water Reclamation
4500 N. Sycamore Ave.
Sioux Falls, SD 57104
(605) 339-7088

Lights
2000 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7150

Maint./Svc. Division
668 Algonquin Avenue
Sioux Falls, SD 57104
(605) 339-7020

Fax
(605) 338-7801

AN EQUAL OPPORTUNITY EMPLOYER

Hearing Impaired
(605) 339-7039

Permit #5235-3 would require an increase of 2.05 cfs to be licensed for the wells that were built. The quantity of 3220 acre-feet would also be on the license. However, we are requesting that only wells 60 through 63 be kept on Permit #5235-3, and that wells 64 and 65 be placed in a new permit. This will reduce the licensing quantities for Permit #5235-3 to 5.45 cfs and 2010 acre-feet. The new permit application for wells 64 and 65 would be for 3.02 cfs and 1210 acre-feet.

Your letter also questioned the flow rate for the pump used at the abandoned quarry. As we discussed in our phone conversation, 700 gpm is an appropriate quantity for licensing this permit.

We are currently in the process of rehabilitating Well #29. This is the last horizontal collector well slated for new laterals. The work should be completed by May 1993 and after we have had a chance to evaluate the well performance, we would like to meet with Water Rights staff to discuss the appropriate method of updating the licenses. If that schedule is not satisfactory, please let us know.

Also, we are preparing a new application for wells 64 and 65 and will be sending that to you in the near future. If you have any questions about any of these items, please contact me.

Sincerely,



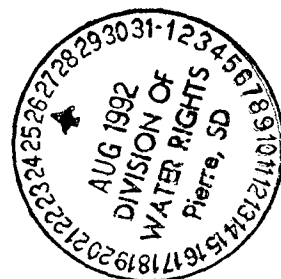
Keith DeJong, P.E.
Water Superintendent

Enclosures

KD:seh

1992 WELL PERMIT LICENSING INFORMATION

WELL #	PERMIT #	WATER RIGHT APPLICATION (cfs) (acre-ft/yr)	ACTUAL PEAK FLOW (cfs)	MAX 1 YEAR USE (acre-ft)	PERCENT HOURS in MAX. YEAR	RECOMMENDED PERMIT LICENSE (cfs) (acre-ft/yr)
48-52	5115-3	6.7 2244	5.00	955.4	54.4	5.0 1140
48			1.15	307.1	61.2	
49			1.22	176.8	54.3	
50			0.86	182.1	58.1	
51			0.86	152.0	51.0	
52			0.91	137.4	47.2	
53-58	5127A-3	8.0 2160	5.49	1556.7	63.5	5.5 1600
53			1.41	385.5	68.1	
54			0.87	267.5	66.3	
55			0.75	178.7	59.4	
56			0.72	207.3	61.8	
57			0.87	249.3	58.0	
58			0.87	268.4	67.5	
60-65	5235-3	6.45 ---	8.47	1837.9	37.1	8.47 3220
60			1.56	319.5	31.1	(5.45) (2010)
61			1.11	239.8	34.5	
62			1.67	291.6	34.3	
63			1.11	296.2	53.7	
64			1.40	315.5	34.4	(3.02) (1210)
65			1.62	375.3	34.5	



CITY OF SIOUX FALLS — PURCHASE ORDER

DEPT - Water Rights Division

Joe Foss Building

Pierre, SD 57501

P.O. NO. 44081

This Number Must Appear On All Invoices.

DEPARTMENT	NUMBER	VENDOR NO.	DATE
WATER	75	19311	MO. DAY YR. 8 24 92

BASIC ACCOUNT	EXPENSE CLASS	PROJECT DIVISION	QTY.	DESCRIPTION	UNIT PRICE	AMOUNT
675-750-5-22005	7507925			OTHER PROFESSIONAL SERVICES & FEES		\$ 650.00
			1	Water Permit Application Fee for Well #64 and Well #65	\$ 650.00	
				Cypr# 515-912		
				DEMR needs to send invoice so we can issue payment for the application fee		
TOTAL →						\$ 650.00

Sharon Clark (x2)
AUTHORIZED SIGNATURE



CITY OF SIOUX FALLS UTILITIES



September 2, 1992

Ron Duvall
DENR
Water Rights Division
Joe Foss Building
Pierre, SD 57501

Dear Ron:

Enclosed, are two copies of the new permit application for Wells 64 and 65. These two wells were originally built under Permit #5235-3, but the total flow from all of the wells exceeded the permitted quantity. Since these two wells are at a separate location from the others in Permit #5235-3, we are requesting a new separate permit instead of one permit with two priority dates.

I am enclosing a copy of our purchase order for this permit. When we receive an invoice from DENR for the application, our Finance Department will process the payment.

If you have any questions, please contact me.

Sincerely,

Keith DeJong, P.E.
Water Superintendent

cc Lyle Johnson

Enclosures

Utility Office
224 West Ninth Street
Sioux Falls, SD 57102
(605) 339-7031

Water Purification
2100 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7025

Fax
(605) 338-7801

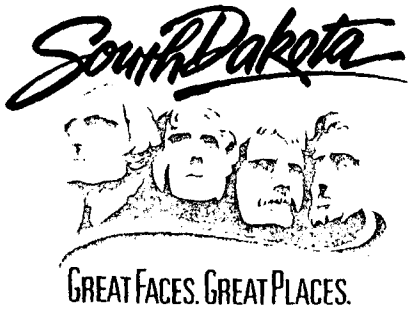
Water Reclamation
4500 N. Sycamore Ave.
Sioux Falls, SD 57104
(605) 339-7088

AN EQUAL OPPORTUNITY EMPLOYER

Lights
2000 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7150

Hearing Impaired
(605) 339-7039

Maint./Svc. Division
668 Algonquin Avenue
Sioux Falls, SD 57104
(605) 339-7020



DEPARTMENT OF WATER & NATURAL RESOURCES

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

* I N V O I C E *

Invoice No. 20411 9-9-92

Finance Department
City of Sioux Falls
224 West 9th Street
Sioux Falls SD 57102

Your Purchase Order #: 44081

Application for Permit to Appropriate Water
Within the State of South Dakota

\$450.00

(note the amount of \$650 on the purchase order is incorrect)

Please pay this amount:

\$450.00

Karen Schlaak
KAREN SCHLAACK
Natural Resources Analyst
Water Rights Division
605 773-3352



September 29, 1992

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Keith DeJong, P.E.
Water Superintendent
Utility Office
224 West Ninth Street
Sioux Falls SD 57102

Dear Mr. DeJong:

Enclosed is an invoice for payment of the Application for Permit to Appropriate Water. This replaces the invoice previously sent for \$450.00. Please forward to the appropriate office.

If you have any questions, please contact Ron Duvall with this office.

Sincerely,

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

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

* I N V O I C E *

Invoice No. 20411 9-29-92

Finance Department
City of Sioux Falls
224 West 9th St
Sioux Falls SD 57102

Your Purchase Order #: 44081

Application for Permit to Appropriate Water
Within the State of South Dakota

\$150.00

(note the amount of \$650 on the purchase order is incorrect)

Please pay this amount:

\$150.00

Karen Schlaak
KAREN SCHLAACK
Natural Resources Analyst
Water Rights Division
605 773-3352



CITY OF SIOUX FALLS UTILITIES



September 29, 1992

Ron Duvall
DENR-Water Rights
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Dear Mr. Duvall:

As per your phone call on September 28th, this letter is a request to revise the water permit application that I sent to you on August 24, 1992. We would now like to have Wells 60 through 65 all remain in one permit and just increase the cfs for this permit to cover the actual production from these wells. The cfs would increase from 6.45 to 8.47 and an acre-feet value of 3220 would be established.

We understand that the priority date for the original 6.45 cfs would not change and that the priority date for the additional 2.02 cfs would be in 1992. We also understand that this will allow the volume of water that is available in the Big Sioux Aquifer to remain the same and that our application fee will be reduced from \$650.00 to \$500.00.

If you have any questions about this, please contact me.

Sincerely,

Keith DeJong, P.E.
Water Superintendent
Sioux Falls Water Plant

KD:seh

Utility Office
224 West Ninth Street
Sioux Falls, SD 57102
(605) 339-7031

Water Purification
2100 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7025

Fax
(605) 338-7801

Water Reclamation
4500 N. Sycamore Ave.
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(605) 339-7088

AN EQUAL OPPORTUNITY EMPLOYER

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Hearing Impaired
(605) 339-7039

Maint./Svc. Division
668 Algonquin Avenue
Sioux Falls, SD 57104
(605) 339-7020

WATER PERMIT APPLICATION NO. 5710-3
CITY OF SIOUX FALLS
OCTOBER 7, 1992

This application proposes authorization of the diversion rate which has been developed from wells constructed under Water Permit No. 5235-3. Permit No. 5235-3 authorized construction of 6 wells to divert up to 6.45 cubic feet of water per second (cfs). The wells, as constructed, are capable of diverting a maximum of 8.47 cfs, which exceeds the permitted pump rate by 2.02 cfs. This application proposes to appropriate 2.02 cfs with a maximum annual withdrawal limit of 3,220 acre-feet, from six wells in the Sioux Falls Management Unit of the Big Sioux Aquifer. The wells are located in the SE 1/4 SE 1/4 Sec.29, and the NE 1/4 NE 1/4 Sec.32, all in T102N-R49W; the NW 1/4 SE 1/4, and the SE 1/4 NE 1/4 Sec.6, T101N-R49W. The water is for municipal use by the City of Sioux Falls.

AQUIFER: Big Sioux: Sioux Falls

The Sioux Falls Management Unit of the Big Sioux Aquifer is an alluvium mantled, glacial outwash deposit, which consists of silt, fine to coarse sand, and gravel. The management unit underlies approximately 22,900 acres in Minnehaha County and contains an estimated 103,050 acre-feet of recoverable water in storage in the county (Hedges, 1982). The aquifer is restricted to the Big Sioux Alluvial Valley, and is bounded both to the north (near Dell Rapids) and to the south (Sioux Falls) by the relatively impermeable Sioux Quartzite. The aquifer thickness ranges from 0 at the aquifer boundary to a maximum of approximately 48 feet. The aquifer is predominately under unconfined conditions.

Measurements taken from Division of Water Rights' Observation Wells indicate that long-term water level declines have not occurred in the management unit. At the current level of development from the aquifer, it is not possible to distinguish between natural water level fluctuations and the effects of pumping from the observation well hydrographs.

DISCUSSION:

SDCL 46-2A-9 requires that a permit to appropriate water may only be issued, if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights, and that the proposed use is a beneficial use and in the public interest.

Water Availability:

Water Permit No. 5235-3 currently appropriates 6.45 cfs with no annual withdrawal limitation other than the amount of water that is associated with full time pumping at the maximum diversion rate (4,670 ac-ft/yr). The annual withdrawal limit proposed by this application (3,220 ac-ft/yr), could be withdrawn at the diversion rate authorized by Permit No. 5235-3 with pumpage 69% of the hours in the year. If a

diversion rate of 8.47 cfs is authorized, 3,220 ac-ft/yr can be withdrawn with pumpage 53% of the available time. Approval of this permit will not increase the volume of water that can be diverted annually from these six wells. If this permit is approved it will not affect the amount of unappropriated groundwater available from the Sioux Falls Management Unit.

Affect On existing Water Rights:

Unlawful impairment of groundwater rights may be due to "well interference", which is the overlapping of drawdown cones of depression of two or more wells; or by the lowering of the water level throughout the entire aquifer, as the result of an extended interim between withdrawal and recharge causing an "overdraft" from storage. In either case mitigation may be necessary, if the pumping authorized by junior priority rights is to continue.

This application requests authorization of an additional diversion rate of 2.02 cfs (906.6 gpm) from the six wells, or 151.1 gpm per well average. While theoretically this additional 151 gpm per well will increase drawdown, it is not expected to be significant. If the specific capacity of these wells is assumed to be 50 gpm/ft (probably a conservative estimate), 151 gpm per well could be expected to increase the drawdown at the pumped well only by approximately 3 feet. The Sioux Falls Management Unit is under unconfined conditions; therefore, the additional drawdown should be insignificant in adequate wells greater than a couple hundred feet from a pumped well. The nearest wells to these wells belong to the City of Sioux Falls and any interference problems caused by this additional drawdown will be experienced by the applicant's first.

In terms of the contribution, this increased diversion rate would have on the cumulative affect of withdrawals from the aquifer, (i.e. increasing the probability of an overdraft due to an extended interim between withdrawal and recharge). As was discussed earlier, this permit will not affect the amount of water that can be withdrawn annually from these wells and therefore will not increase the probability of adverse impairment of existing rights.

Additional Considerations:

On November 14, 1991, through a declaratory ruling, the Water Management Board (Board) established a limitation on the annual withdrawals due to pumping by Water Permit/Right holders from the Sioux Falls Management Unit of 32,200 acre-feet per year (ac-ft/yr).

Following this declaratory ruling, the Board approved a reservation for future use by the City of Sioux Falls, (Permit No. 5523-3) from the Sioux Falls Management Unit for an amount less than was applied for. In its consideration of the future use permit, the Board concluded that "it is prudent to not allocate all water arguably available so as to accommodate any increase in lawful use of water already under permit". The Board left a "contingency for expansion of use under existing legal rights and a contingency for expansion of present and new systems" amounting to 1,866 ac-ft/yr. This amount was

arrived at by taking: the annual withdrawal limit - the amount of present use during 1990, - the total amount reserved under existing future use permits - the reservation made by Future Use Permit No. 5523-3.

$$32,200 - 19,519 - 6,765 - 4,050 = 1,866 \text{ ac-ft/yr}$$

Water use from the Sioux Falls Management Unit in the future will be limited to a total withdrawal of 32,200 ac-ft/yr. When this limit is approached, water use will be restricted on a priority basis until withdrawals do not exceed 32,200 ac-ft/yr. The practical effect of the 32,200 ac-ft/yr limit allows for management of the aquifer, and on a priority basis if necessary.

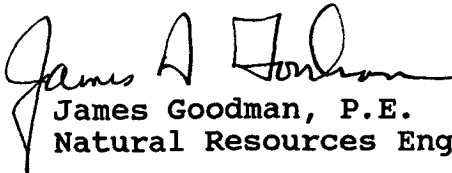
CONCLUSIONS:

1. This application is the result of a licensing inspection of Water Permit No. 5235-3. Water Permit No. 5235-3 authorized construction of 6 wells to divert up to 6.45 cubic feet of water per second (cfs). The completed wells are capable of diverting a maximum of 8.47 cfs. This application proposes to appropriate 2.02 cfs with a maximum annual withdrawal limit of 3,220 acre-feet.
2. This application will not change the amount of water that can be withdrawn under current permits. Therefore this application will not affect the amount of water that is available for future appropriation from the aquifer.
3. It is probable that the increase diversion rate proposed by this application can be made without adverse impact on existing rights.



Ken Buhler
Natural Resources Engineer

Approved by:



James Goodman, P.E.
Natural Resources Engineer

REFERENCES:

Division of Water Rights, 1992, "Observation Well Files", SD
DENR-Water Rights Division, Joe Foss Building, Pierre, SD, 57501

Hedges, L.S., S. Burch, D. Iles, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, U.S. Army Corps of Engineers

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5710-3, City of Sioux Falls

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5710-3, City of Sioux Falls, 224 West 9th Street, Sioux Falls, SD 57102.

The Chief Engineer is recommending APPROVAL of Application No. 5710-3 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) it is in the public interest with the following qualifications:

1. The wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Approval of Permit Nos. 5235-3 and 5710-3, combined, authorize a total annual diversion of 3,220 acre-feet of water annually.
3. The City of Sioux Falls shall report to the Chief Engineer annually the amount of water withdrawn each year from the Big Sioux:Sioux Falls Management Unit.
4. If development and pumping of the Big Sioux:Sioux Falls Management Unit at the increased diversion rate authorized by Water Permit No. 5710-3 results in adverse impairment of adequate domestic wells or adequate wells having prior water rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of domestic well sin the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.

See report on application for additional information.


JOHN HATCH, Chief Engineer
October 28, 1992



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

October 30, 1992

Keith DeJong, P.E., Water Superintendent
City of Sioux Falls
224 West 9th Street
Sioux Falls, SD 57102

Dear Mr. DeJong:

Water Permit Application No. 5710-3 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 Argus Leader printed at Sioux Falls, SD (Ph # 331-2200). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 30, 1992

Argus Leader
PO Box 5034
Sioux Falls, SD 57117-5034

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5710-3 to be published twice. Please publish the first notice on November 5, 1992, 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 Sioux Falls, 224 West 9th Street, Sioux Falls, SD 57102 (Ph # 339-7025).

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. No action may be taken on the permit application until proof of publication has been received.

Sincerely,

Eric Gronlund
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 November 5, 1992, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5710-3 to Appropriate Water
and to Amend Water Permit No. 5235-3

Notice is given that the City of Sioux Falls, 224 West 9th Street, Sioux Falls, SD 57102 has filed an application for a water permit to increase the diversion rate by 2.02 cubic feet of water per second (cfs) from the six wells authorized by Water Permit No. 5235-3 without an increase to the annual volume of water. Water Permit No. 5235-3 appropriates 6.45 cfs from 6 wells (Big Sioux:Sioux Falls Management Unit) located in the SE 1/4 SE 1/4 Section 29, NE 1/4 NE 1/4 Section 32, in T102N-R49W and the NW 1/4 SE 1/4, SE 1/4 NE 1/4 Section 6, T101N-R49W. This application proposes to increase the total diversion rate from the wells by 2.02 cfs to 8.45 cfs. This is the diversion rate which existing wells are capable of producing. This application, if approved, would establish a maximum annual withdrawal limit of 3,220 acre-feet from the six wells. The water is for municipal use by the City of Sioux Falls.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5710-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by November 23, 1992. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application at 10:00 am, December 2, 1992, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD. If a hearing is held, 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. The December 2, 1992, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by November 23, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. 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. Contact Eric Gronlund by November 23, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 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, 46-2A-20, 46-2A-21; 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, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15. Robert E. Roberts, Secretary, Department of Environment and Natural Resources.

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA, }
COUNTY OF MINNEHAHA } ss.

M. DEVISH

....., being duly sworn, says: That The Sioux Falls Argus-Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota by Sioux Falls Newspapers Inc.; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Thursday, the 5 day of November, 1992,

Thursday, the 12 day of November, 1992,

....., the day of, 19.....,

....., the day of, 19.....,

....., the day of, 19.....,

....., the day of, 19.....,

....., the day of, 19.....,

and that \$ 116.95 was charged for publishing the same.

M. Devish

Subscribed and sworn to before me November 12, 1992,

Nancy A. Buckley
Notary Public, South Dakota

NOTICE OF HEARING
on Application No. 5710-3
to Appropriate Water and to
Amend Water Permit No. 5235-3
Notice is given that the City of
Sioux Falls, 224 West 9th Street,
Sioux Falls, SD 57102 has filed an
application for a water permit to
increase the diversion rate by 2.02
cubic feet of water per second (cfs)
from the six wells authorized by
Water Permit No. 5235-3 without an
increase to the annual volume of
water. Water Permit No. 5235-3
appropriates 6.45 cfs from 6 wells
(Big Sioux: Sioux Falls Manage-
ment Unit) located in the SE 1/4 SE
1/4 Section 29, NE 1/4 NE 1/4
Section 32, in T102N-R49W and the
NW 1/4 SE 1/4, SE 1/4 NE 1/4
Section 6, T101N-R49W. This appli-
cation proposes to increase the
total diversion rate from the wells
by 2.02 cfs to 8.45 cfs. This is the
diversion rate which existing wells
are capable of producing. This
application, if approved, would es-
tablish a maximum annual with-
drawal limit of 3,220 acre-feet from
the six wells. The water is for
municipal use by the City of Sioux
Falls.

Pursuant to SDCL 46-2A-2, the
Chief Engineer recommends AP-
PROVAL of Application No. 5710-3
because 1) existing rights will not
be unlawfully impaired, 2) it is a
beneficial use of water, and 3) it is
in the public interest. Unless a
petition is filed opposing the appli-
cation or the applicant files a
petition contesting the chief engi-
neer's recommendation, the Water
Management Board will NOT CON-
DUCT a HEARING to consider this
application and the chief engineer
will issue the permit as recom-
mended. Petitions filed in support
of the application will NOT require
the Board to hear the application.

Any person interested in op-
posing or supporting this applica-
tion must file a written petition with
BOTH the applicant and Chief
Engineer. The applicant must also
file a petition if opposed to the
Chief Engineer's recommendation.
The Chief Engineer's address is
"Water Rights Division, Foss
Building, 523 E Capitol, Pierre SD
57501 (605 773-3352)" and the
applicant's mailing address is given
above. A petition filed by either an
interested person or the applicant
must be filed by November 23,
1992. The petition may be informal,
but must include a statement de-
scribing the petitioner's interest in
the application, the petitioner's rea-
sons for opposing or supporting the
application, and the signature and
mailing address of the petitioner or
the petitioner's legal counsel, if
legal counsel is obtained.

If a petition is filed opposing the
application or the applicant files a
petition contesting the chief engi-
neer's recommendation, the Board
will consider this application at
10:00 am, December 2, 1992, Floyd
Matthew Training Center, Joe Foss
Building, 523 East Capitol, Pierre,

SD. If a hearing is held, the Chief
Engineer's recommendation is not
final or binding upon the Board.
The Board is authorized to 1)
approve, 2) approve with qualifica-
tions, 3) defer, or 4) deny this
application based on the facts
presented at the public hearing.
The December 2, 1992, hearing
date will be automatically delayed
for at least 20 days upon written
request to the Chief Engineer from
the applicant or any interested
person opposing the application.
The request for an automatic delay
must be filed by November 23,
1992.

Any hearing will be an adversary
proceeding. Any person filing a
petition and/or the applicant have
the right to be represented by a
lawyer and may present evidence
or cross-examine witnesses ac-
cording to SDCL 1-26. 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 Su-
preme Court as provided by law.
Contact Eric Gronlund by No-
vember 23, 1992, at the above
Water Rights Division address to
request copies of information per-
taining to this application, to assure
access to the hearing by the
handicapped or to obtain an inter-
preter for the hearing impaired.

This application is made pursuant
to SDCL 46-1-1 thru 46-1-9, 46-1-12
thru 46-1-16; 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, 46-2A-20, 46-2A-21;
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, 46-6-26; and Board Rules
ARSD 74:02:01:01 thru
74:02:01:15.

Robert E. Roberts, Secretary
Department of Environment and
Natural Resources
Nov. 5, 12, 1992

10117





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

MAY 19 1993

Keith DeJong, P.E., Water Superintendent
City of Sioux Falls
224 West 9th Street
Sioux Falls, SD 57102

Dear Mr. DeJong:

Enclosed is Water Permit No. 5710-3 authorizing your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

The final inspection has been completed on this Permit, and we are ready to issue the Water License. Statutes require we charge \$50 for the inspection and issuance of the final papers. Upon receipt of this amount the Water License will be sent to you.

Very truly yours,

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

enclosures

RECEIPT

413806

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ June 15, 19 93

RECEIVED OF City of Sioux Falls, 224 W 9th St, Sioux Falls, SD 57102

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>5710-3</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



5710-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 13, 1994

Lyle D. Johnson
City of Sioux Falls
224 W 9TH Street
Sioux Falls, SD 57102

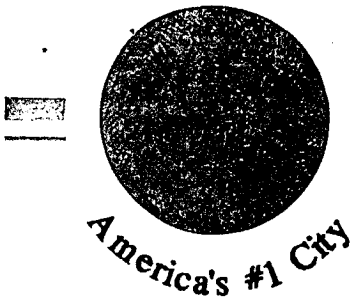
Dear Mr. Johnson:

Pursuant to qualifications on Water Permit/Right No. 5726-3 (Big Sioux:Middle Skunk Creek Aquifer) & 5710-3 (Big Sioux:Sioux Falls Aquifer), and an annual water use limit from the Big Sioux River on Nos. 5334-3 and 5431-3, I am requesting that the City of Sioux Falls report the total amount of water diverted from each of these water sources during 1993. Please respond by January 31, 1994.

If you have any questions concerning this or other water rights questions, please contact Barry McLaury, Natural Resources Analyst, (605) 773-3352.

Sincerely,

RON DUVAL, Natural Resources Engineer
for JOHN HATCH, Chief Engineer
Water Rights Division



UTILITIES DEPARTMENT

Hearing Impaired (605) 339-7039



January 27, 1994

Ron Duvall, Natural Resources Engineer
DENR - Water Rights Division
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Dear Mr. Duvall:

This letter is in response to your request regarding the City of Sioux Falls' total 1993 pumpages from our existing water supply sources.

Please review the attached Sioux Falls water supply summary. We have listed the total diverted water amounts from the Big Sioux Aquifer, Split Rock Creek Aquifer, Southern Skunk Creek Aquifer, and the Big Sioux River.

Please note that we have not, as of this time, diverted any water for our use from the Middle Skunk Creek Aquifer.

If you have any questions concerning this information, please contact Lyle Johnson at 339-7088 or contact me at 339-7040.

Sincerely,

Randy Janssen, Water Superintendent

gl
attachments
cc: Lyle Johnson, Water/Wastewater Manager

Utility Office
224 West Ninth Street
Sioux Falls, SD 57102
(605) 339-7031
FAX (605) 338-8490

Water Purification
2100 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7025
FAX (605) 338-7801

Water Reclamation
4500 N. Sycamore Ave.
Sioux Falls, SD 57104
(605) 339-7088
FAX (605) 338-8484

Lights
2000 N. Minnesota Ave.
Sioux Falls, SD 57104
(605) 339-7150
FAX (605) 339-7006

Maint./Svc. Division
668 Algonquin Avenue
Sioux Falls, SD 57104
(605) 339-7020
FAX (605) 338-7883



SIOUX FALLS WATER SUPPLY SUMMARY

BIG SIOUX AQUIFER

Well No.	Permit No.	Total 1993 Pumpage	
		Acre-Ft.	Million Gals(MG)
3	256-3	19	6.19
4	257-3	30	9.78
10	259-3	18	5.87
11	260-3	27	8.80
12	261-3	28	9.13
13	262-3	91	29.66
14	263-3	8	2.61
15	264-3	241	78.54
17	266-3	17	5.54
18	267-3	93	30.31
20	269-3	277	90.27
21	270-3	482	158.06
23	272-3	57	18.58
24	273-3	53	17.27
25	274-3	329	107.22
26	275-3	265	86.36
27	276-3	286	93.21
28	298-3	491	160.01
29	299-3	758	247.03
30	300-3	133	43.34
31	395-3	380	123.84
32	396-3	639	208.24
33	397-3	187	60.94
34	1305-3	125	40.74
36	2018-3	412	134.27
37	2019-3	349	113.74
38	2747-3	388	126.45
39	2886-3	97	31.61
42	4098-3	322	104.94
43	4099-3	242	78.87
44	4100-3	370	120.58
46	4812-3	638	207.92
47	4811-3	389	126.77
48-53	5115-3	632	205.96
54-58	5127A-3	757	246.70
60-65	5235-3	<u>326</u>	<u>106.24</u>
Total		9956	3245.59



Split Rock Creek Aquifer

Well	Permit	Acre-Ft.	MG
67	5213-3	261	85.05
NSP	5213-3	<u>265</u>	<u>86.36</u>
Total		526	171.41

Southern Skunk Creek Aquifer

Well	Permit	Acre-Ft.	MG
66	5214-3	<u>58</u>	<u>18.90</u>
Total		58	18.90

Big Sioux River

Well	Permit	Acre-Ft.	MG
Intake			
Sioux River			
Pump Station	5431-3	<u>6287</u>	<u>2049</u>
Total		6287	2049



REPORT ON WATER PERMIT NO. 5710-3
CITY OF SIOUX FALLS
February 16, 1994

Water Permit No. 5710-3 increases the diversion rate by 2.02 cubic feet of water per second (cfs) from the six wells (Big Sioux:Sioux Falls Management Unit) authorized by Water Permit No. 5235-3 without an increase in the annual volume of water. Water Permit No. 5235-3 appropriates 6.45 cfs from 6 wells located in the SE 1/4 SE 1/4 Section 29, NE 1/4 NE 1/4 Section 32; in T102N-R49W and the NW 1/4 SE 1/4, SE 1/4 NE 1/4 Section 6-T101N-R49W. Readvertisement is necessary to correct the total diversion rate. The total diversion rate was incorrectly advertised on November 5 and 12, 1992, in the Argus Leader as being 8.45 cfs. The correct total diversion rate is 8.47 cfs. Additionally, Water Permit No. 5710-3 should have been advertised in official papers for both Minnehaha and Lincoln Counties. This readvertisement does not authorize any increase in the developed water appropriation.

Conclusions

1. This is a readvertisement of the Notice of Hearing for Water Permit No. 5710-3.
2. This readvertisement is necessary to correct the total diversion rate. The correct diversion rate was identified on the permit application.
3. The correct diversion rate for Water Permit Nos. 5235-3 and 5710-3 is 8.47 cfs.
4. This readvertisement also gives notice in one official newspaper in each county where the water will be diverted or used as specified in SDCL 46-2A-4.



Eric Gronlund
Natural Resources Engineer



Ron Duvall
Natural Resources Engineer IV

**RECOMMENDATION OF CHIEF ENGINEER FOR READVERTISED WATER PERMIT
APPLICATION NO. 5710-3, City of Sioux Falls**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning readvertised Water Permit Application No. 5710-3, City of Sioux Falls, 224 West 9th Street, Sioux Falls, SD 57102.

The Chief Engineer is recommending APPROVAL of readvertised Application No. 5710-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion has been 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 wells approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. Approval of Permit Nos. 5235-3 and 5710-3, combined, authorize a total annual diversion of 3,220 acre-feet of water annually.
3. The City of Sioux Falls shall report to the Chief Engineer annually the amount of water withdrawn each year from the Big Sioux:Sioux Falls Management Unit.
4. If development and pumping of the Big Sioux:Sioux Falls Management Unit at the increased diversion rate authorized by Water Permit No. 5710-3 results in adverse impairment of adequate domestic wells or adequate wells having prior water rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.

See report on application for additional information.



JOHN HATCH, Chief Engineer
March 27, 1996



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 2, 1996

Argus Leader
P.O. Box 5034
Sioux Falls, SD 57117-5034

Attn: Legal Department

Enclosed is a Readvertisement of Notice of Hearing on Permit No. 5710-3 to be published twice. Please publish the first notice on April 11, 1996, with the second publication 7 days later.

Please bill the Water Rights Program for the cost of the advertisement.

A copy of BOTH publications must be SENT to the WATER RIGHTS PROGRAM. 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

No. 5710-3

Date _____

We are in receipt of your letter of April 2, 1996, enclosing Readvertisement of Notice of Hearing to Appropriate Water by Permit No. 5710-3 which was first published in our issue of the Argus Leader. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

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

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 2, 1996

Lyle Johnson, Utility Manager
City of Sioux Falls
224 West 9th St.
Sioux Falls, SD 57102

Dear Mr. Johnson:

The original notice of hearing for Water Permit No. 5710-3 was published with an error. Therefore, the notice of hearing needs to be readvertised to correct the error. A notice of hearing has been sent to the Publishers of the Sioux Valley News printed at Canton, SD (Ph # (605) 987-2631) and the Argus Leader printed at Sioux Falls, SD (Ph # (605) 331-2340). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the readvertisement are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

The cost of publication of this notice will be paid by the Water Rights Program. Please contact us if you have any questions.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 2, 1996

Sioux Valley News
Box 255
Canton, SD 57013-0255

Attn: Legal Department

Enclosed is a Readvertisement of Notice of Hearing on Permit No. 5710-3 to be published twice. Please publish the first notice on April 11, 1996, with the second publication 7 days later.

Please bill the Water Rights Program for the cost of the advertisement.

A copy of BOTH publications must be SENT to the WATER RIGHTS PROGRAM. 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

No. 5710-3

Date _____

We are in receipt of your letter of April 2, 1996, enclosing Readvertisement of Notice of Hearing to Appropriate Water by Permit No. 5710-3 which was first published in our issue of Sioux Valley News. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

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

Name

Newspaper

Instruction to Newspaper - Publish first Notice on April 11, 1996, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 5710-3 to Appropriate Water

Notice is given of readvertisement of Water Permit No. 5710-3 held by the City of Sioux Falls, 224 West 9th St., Sioux Falls, SD 57102. The water permit was originally applied for September 4, 1992. Water Permit No. 5710-3 increases the diversion rate by 2.02 cubic feet of water per second (cfs) from the six wells (Big Sioux:Sioux Falls Management Unit) authorized by Water Permit No. 5235-3 without an increase in the annual volume of water. Water Permit No. 5235-3 appropriates 6.45 cfs from 6 wells located in the SE 1/4 SE 1/4 Section 29, NE 1/4 NE 1/4 Section 32; in T102N-R49W and the NW 1/4 SE 1/4, SE 1/4 NE 1/4 Section 6-T101N-R49W. Readvertisement is necessary to correct the total diversion rate. The total diversion rate was incorrectly advertised on November 5 and 12, 1992, in the Argus Leader as being 8.45 cfs. The correct total diversion rate is 8.47 cfs. Additionally, Water Permit No. 5710-3 should have been advertised in official papers for both Minnehaha and Lincoln Counties. This readvertisement does not authorize any increase in the developed water appropriation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of readvertised Application No. 5710-3 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. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by April 29, 1996.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

Form 8

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Lincoln) SS

I, Sandra Lundstrom

certify that the attached printed Notice was

taken from the _____

SIOUX VALLEY NEWS

printed and published in Canton

County of Lincoln and State of

South Dakota. The notice was published in
the newspaper on the following two dates:

April 11, 1996

April 18, 1996

Cost of Printing: \$42.53

Sandra Lundstrom
(Signature)

typesetter

(Title)

4/18/96

(Date Signed)

NOTICE OF APPLICATION NO. 5710-3 To Appropriate Water

Notice is given of readvertisement of Water Permit No. 5710-3 held by the City of Sioux Falls, 224 West 9th St., Sioux Falls, SD 57102. The water permit was originally applied for September 4, 1992. Water Permit No. 5710-3 increases the diversion rate by 2.02 cubic feet of water per second (cfs) from the six wells (Big Sioux:Sioux Falls Management Unit) authorized by Water Permit No. 5235-3 without an increase in the annual volume of water. Water Permit No. 5235-3 appropriates 6.45 cfs from 6 wells located in the SE 1/4 SE 1/4 Section 29, NE 1/4 NE 1/4 Section 32; in T102N-R49W and the NW 1/4 SE 1/4, SE 1/4 NE 1/4 Section 6-T101N-R49W. Readvertisement is necessary to correct the total diversion rate. The total diversion rate was incorrectly advertised on November 5 and 12, 1992, in the Argus Leader as being 8.45

cfs. The correct total diversion rate is 8.47 cfs. Additionally, Water Permit No. 5710-3 should have been advertised in official papers for both Minnehaha and Lincoln Counties. This readvertisement does not authorize any increase in the developed water appropriation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of readvertised Application No. 5710-3 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. In accordance with SDCL 46-2A-23, the chief engineer will act on the application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider the application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by April 29, 1996.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application.

Nettie H. Myers
Secretary
Department of Environment
and Natural Resources

(4-11, 18)



SANDRA LUNDSTROM
MY COMMISSION
EXPIRES 9-27-2001

PAYMENT REQUEST FORM

PAYEE: Sioux Valley News
P.O. Box 1872
Canton, SD 57013-0255

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Readvertisement of Notice of Application No. 5710-3 to Appropriate
Water published on April 11 and 18, 1996.

AMOUNT: \$42.53

FUNDING SOURCE:

GENERAL: X

FEDERAL:

COMMENTS:

AUTHORIZATION: _____

John Hatoh

4-23-96

I declare and affirm under the penalties of perjury that this claim is
in all things, true and correct. I further agree to comply with the
provisions of the Civil Rights Act of 1964 and regulations issued
thereunder relating to nondiscrimination in federal assisted programs.

Form 8



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Minnehaha) SS

I, D. Reicher

certify that the attached printed Notice was
taken from the Argus Leader

printed and published in City of Sioux Falls

County of Minnehaha and State of

South Dakota. The notice was published in
the newspaper on the following two dates:

Thursday, April 11, 1996

Thursday, April 18, 1996

Cost of Printing: 96.43

D. Reicher
(Signature)

4/18/96 - Asst. Controller
(Title)

4/18/96
(Date Signed)

NOTICE OF APPLICATION NO. 5710-3

to Appropriate Water
Notice is given of readvertise-
ment of Water Permit No. 5710-3
held by the City of Sioux Falls, 224
West 9th St., Sioux Falls, SD
57102. The water permit was origi-
nally applied for September 4,
1992. Water Permit No. 5710-3
increases the diversion rate by 2.02
cubic feet of water per second (cfs)
from the six wells (Big Sioux: Sioux
Falls Management Unit) authorized
by Water Permit No. 5235-3 without
an increase in the annual volume of
water. Water Permit No. 5235-3
appropriates 6.45 cfs from 6 wells
located in the SE 1/4 SE 1/4
Section 29, NE 1/4 NE 1/4 Section
32; in T102N-R49W and the NW 1/4
SE 1/4, SE 1/4 NE 1/4 Section
6-T101N-R49W. Readvertisement is
necessary to correct the total diver-
sion rate. The total diversion rate
was incorrectly advertised on No-
vember 5 and 12, 1992, in the
Argus Leader as being 8.45 cfs.
The correct total diversion rate is
8.47 cfs. Additionally, Water Permit
No. 5710-3 should have been ad-
vertised in official papers for both
Minnehaha and Lincoln counties.
This readvertisement does not au-
thorize any increase in the devel-
oped water appropriation.

Pursuant to SDCL 46-2A-2, the
City Engineer recommends AP-
PROVAL of readvertised Applica-
tion No. 5710-3 because 1) unap-
propriated water is available, 2)
existing rights will not be unlawfully
impaired, 3) it is a beneficial use of
water, and 4) it is in the public
interest. In accordance with SDCL
46-2A-23, the chief engineer will act
on the application, as recom-
mended, unless a petition is filed
opposing the application or the
applicant files a petition contesting
the chief engineer's recommenda-
tion. If a petition opposing the
application or contesting the recom-
mendation is filed, then a hearing
will be scheduled and the Water
Management Board will consider
the application. Notice of the
hearing will be given to the appli-
cant and any person filing a peti-
tion.

Any person interested in op-
posing or supporting this applica-
tion or recommendation must file a
written petition with BOTH the
applicant and chief engineer. The
applicant must file a petition if
contesting the chief engineer's rec-
ommendation. The Chief Engi-
neer's address is "Water Rights
Program, Foss Building, 523 E.
Capitol, Pierre, SD 57501 (605
773-3352)" and the applicant's
mailing address is given above. A
petition filed by either an interested
person or the applicant must be
filed by April 29, 1996.

The petition may be informal, but
must include a statement de-
scribing the petitioner's interest in
the application, the petitioner's rea-
sons for opposing or supporting the
application, and the signature and
mailing address of the petitioner or
the petitioner's legal counsel, if
legal counsel is obtained. Contact
Eric Gronlund at the above Water
Rights Program address to request
copies of information pertaining to
this application. Nettie H. Myers,
Secretary, Department of Environ-
ment and Natural Resources.

6967 April 11, 18, 1996

PAYMENT REQUEST FORM

PAYEE: Argus Leader
P.O. Box 5034
Sioux Falls, SD 57117-5034

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Readvertisement of Notice of Application No. 5710-3 to Appropriate
Water published on April 11 and 18, 1996.

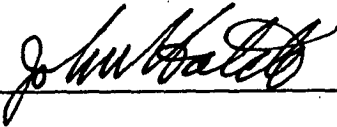
AMOUNT: \$96.43

FUNDING SOURCE:

GENERAL: X

FEDERAL:

COMMENTS:

AUTHORIZATION:  4-23-96

I declare and affirm under the penalties of perjury that this claim is
in all things, true and correct. I further agree to comply with the
provisions of the Civil Rights Act of 1964 and regulations issued
thereunder relating to nondiscrimination in federal assisted programs.

5710-3
LICENSE FOR PERMIT NUMBER 5235-3

1. Legal location of wells: Well Nos. 60, 61 & 62 : SE 1/4 SE 1/4 sec 29-
T 102 N - R 49 W

dams & structures: _____

2. Well Information: Well Drilling Firm Lacey

Completion Report	Yes ☒ No ☐	No. of Wells	<u>6</u>	Depth	<u>No. 60 39' 61 37' 62 37'</u>
Casing	a) diameter <u>all 12 inch</u>	Screen	a) type <u>all hand slotted</u>		
	b) length <u>29' 27' 27'</u>		b) length <u>all 10 feet</u>		
	c) type <u>all plastic</u>	Static Water Level	_____		
Pump	a) make <u>Grundfos Western Land W. Land</u>	Motor	a) make <u>unknown</u>		
	b) model <u>6005 (50-1) 8K5H 8K5H</u>		b) model No. _____		
	c) size <u>all submersible</u>		c) horsepower rating <u>15 20 20</u>		
	d) capacity <u>700 500 750</u> gpm				
	e) turbine pump - no. of stages _____				
	f) operating PSI _____				

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____	m) Outlet tubes:
b) height to primary spillway _____	1) diameter _____
c) height to secondary spillway _____	2) type _____
d) crest width _____	3) valved (Y/N) _____
e) crest length _____	4) valve type _____
f) spillway length _____	5) location on structure _____
g) spillway width _____	
h) approx. storage _____	n) Category of Dam _____
i) approx. storage to crest _____	
j) date constructed _____	
k) inspection sheet completed (Y/N) _____	
l) Name of Contractor _____	

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project _____

Yes	No	Check Items
---	---	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
---	---	2. Special qualifications to permit being abided by?
---	---	3. All structures, wells and lands on map?
---	---	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
---	---	5. Is chemigation used?
---	---	6. If yes, does equipment comply with chemigation rules?

REMARKS:

5710-3

LICENSE FOR PERMIT NUMBER 5235-3

1. Legal location of wells: Well No. 63: NE 1/4 NE 1/4 section 32-
T102N-R49W
dams & structures: _____

2. Well Information: Well Drilling Firm Lacey

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 38 feet
Casing a) diameter 12 inch Screen a) type hand slotted
b) length 28 feet b) length 10 feet
c) type Plastic Static Water Level 7 feet
Pump a) make Western Land Roller Motor a) make unknown
b) model 8KKH b) model No. _____
c) size submersible c) horsepower rating 15
d) capacity 500 gpm
e) turbine pump - no. of stages _____
f) operating PSI _____

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____ m) Outlet tubes:
b) height to primary spillway _____ 1) diameter _____
c) height to secondary spillway _____ 2) type _____
d) crest width _____ 3) valved (Y/N) _____
e) crest length _____ 4) valve type _____
f) spillway length _____ 5) location on structure _____
g) spillway width _____
h) approx. storage _____ n) Category of Dam _____
i) approx. storage to crest _____
j) date constructed _____
k) inspection sheet completed (Y/N) _____
l) Name of Contractor _____

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project _____

Yes	No	Check Items
---	---	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
---	---	2. Special qualifications to permit being abided by?
---	---	3. All structures, wells and lands on map?
---	---	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
---	---	5. Is chemigation used?
---	---	6. If yes, does equipment comply with chemigation rules?

REMARKS:

5710-3

LICENSE FOR PERMIT NUMBER 5235-31. Legal location of wells: Well No. 64 : NW 1/4 SE 1/4 section 6 -
T101N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm LaceyCompletion Report Yes ☒ No _____ No. of Wells 6 Depth 43 feetCasing a) diameter 12 inch Screen a) type hand spottedb) length 34 feet b) length 9 feetc) type Plastic Static Water Level 17 feetPump a) make Western Land Roller Motor a) make unknownb) model 8KKH b) model No. _____c) size submersible c) horsepower rating 20d) capacity 630 gpm

e) turbine pump - no. of stages _____

f) operating PSI _____

3. Distribution lines or canals

a) size _____

b) type _____

c) length _____

4. Dam Information:

a) height to crest _____

m) Outlet tubes:

b) height to primary spillway _____

1) diameter _____

c) height to secondary spillway _____

2) type _____

d) crest width _____

3) valved (Y/N) _____

e) crest length _____

4) valve type _____

f) spillway length _____

5) location on structure _____

g) spillway width _____

h) approx. storage _____

n) Category of Dam _____

i) approx. storage to crest _____

j) date constructed _____

k) inspection sheet completed (Y/N) _____

l) Name of Contractor _____

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project _____

Yes	No	Check Items
---	---	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
---	---	2. Special qualifications to permit being abided by?
---	---	3. All structures, wells and lands on map?
---	---	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
---	---	5. Is chemigation used?
---	---	6. If yes, does equipment comply with chemigation rules?

REMARKS:

5710-3
LICENSE FOR PERMIT NUMBER 5235-3

1. Legal location of wells: Well No. 65 : SE 1/4 NE 1/4 section 6-
T101N-R49W

dams & structures: _____

2. Well Information: Well Drilling Firm Lacey

Completion Report Yes ☒ No _____ No. of Wells 6 Depth 44 feet
Casing a) diameter 12 inch Screen a) type hand slotted
b) length 34 feet b) length 10 feet
c) type Plastic Static Water Level 13 feet
Pump a) make Western Land Roller Motor a) make unknown
b) model 8KKH b) model No. _____
c) size submersible c) horsepower rating 20
d) capacity 730 gpm
e) turbine pump - no. of stages _____
f) operating PSI _____

3. Distribution lines or canals

a) size _____
b) type _____
c) length _____

4. Dam Information:

a) height to crest _____ m) Outlet tubes:
b) height to primary spillway _____ 1) diameter _____
c) height to secondary spillway _____ 2) type _____
d) crest width _____ 3) valved (Y/N) _____
e) crest length _____ 4) valve type _____
f) spillway length _____ 5) location on structure _____
g) spillway width _____
h) approx. storage _____ n) Category of Dam _____
i) approx. storage to crest _____
j) date constructed _____
k) inspection sheet completed (Y/N) _____
l) Name of Contractor _____

5. System Type a) sideroll:

- 1) length _____ feet
- 2) diameter of pipe _____
- 3) make, model & number of
sprinklers _____
- 4) spacing of sprinklers _____
- 5) nozzle size _____

c) gun

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____
- 4) hose size _____
- 5) hose length _____

e) gated pipe

- 1) length _____
- 2) diameter _____
- 3) spacing of gates _____

f) portable boom

- 1) make _____
- 2) nozzle size _____
- 3) capacity (GPM) _____

b) towline:

- 1) length _____ feet
- 2) make, model & number of
sprinklers _____
- 3) spacing of sprinklers _____
- 4) nozzle size _____

d) center pivot

- 1) make _____
- 2) number of towers _____
- 3) distance between towers _____
- 4) overall length _____
- 5) end gun (Y/N) _____
- 6) high or low pressure _____
- 7) make & size of nozzles _____
- 8) capacity (GPM) _____

g) siphons

- 1) size _____
- 2) number _____

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project _____

Yes	No	Check Items
---	---	1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?
---	---	2. Special qualifications to permit being abided by?
---	---	3. All structures, wells and lands on map?
---	---	4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period?
---	---	5. Is chemigation used?
---	---	6. If yes, does equipment comply with chemigation rules?

REMARKS:

Permit No. 5710-3
Big Sioux 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

I have this day made a thorough examination of the water use system constructed by the City of Sioux Falls of Utilities Dept., 224 W 9th Street holder of Permit Nos. 5710-3 and 5235-3, bearing the priority of September 4, 1992, and January 4, 1989, respectively, authorizing the diversion of 2.02 and 6.45 cu. ft. per second, respectively, and a total annual use limitation of 3,220 acre-feet of the waters of the Big Sioux:Sioux Falls aquifer for municipal purposes, in Minnehaha and Lincoln Counties.

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

A. Works used to divert the water:

See field inspection sheet

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

Municipal water supply lines

C. Works used to apply water to beneficial use:

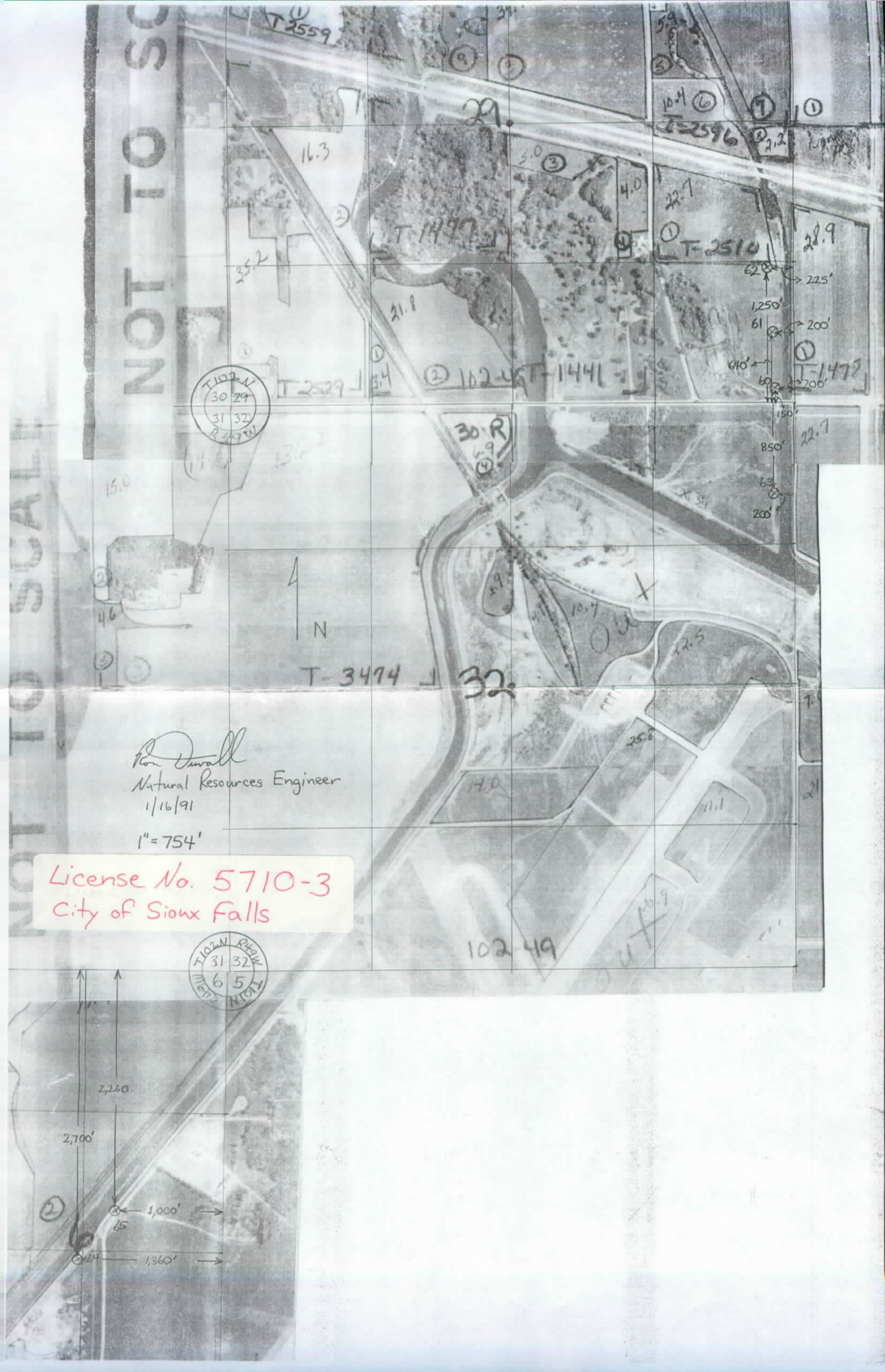
Municipal water distribution system

The system is in the following condition good. The points of diversion are located 1,250 ft N and 225 ft W (Well No. 62), 640 ft N and 200 ft W (Well No. 61), 150 ft N and 200 ft W (Well No. 60), all from the SE corner section 29-T102N-R49W [SE1/4 SE1/4]; 850 ft S and 200 ft W (Well No. 63) from the NE corner section 32-T102N-R49W [NE1/4 NE1/4]; 2,260 ft S and 1,000 ft W (Well No. 65) from the NE corner section 6-T101N-R49W [SE1/4 NE1/4]; and 2,700 ft S and 1,360 ft W (Well No. 64) from the NE corner section 6-T101N-R49W [NW1/4 SE1/4]. The works are capable of diverting and conveying to the place of use 8.47 cu. ft. per second of water which is to be used for municipal purposes.

Applicable permit qualifications have been complied with: Yes X No

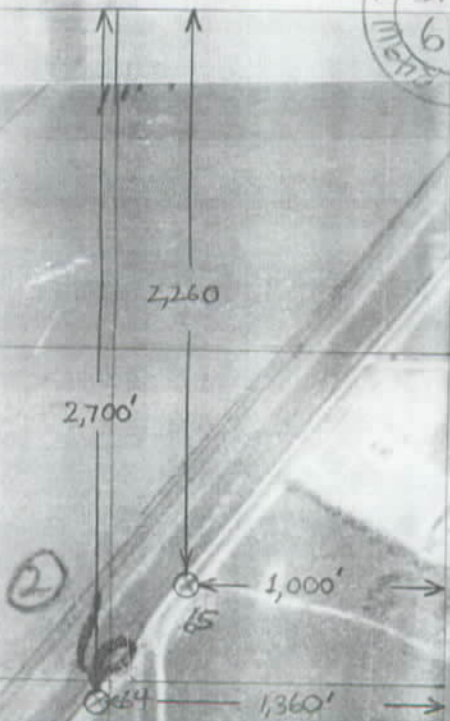
Exceptions to compliance are: none Date: January 16, 1991


Ron Duvall
Natural Resources Engineer
DENR, Water Rights Division



Ron Duwall
Natural Resources Engineer
1/16/91
1" = 754'

License No. 5710-3
City of Sioux Falls



STATE OF SOUTH DAKOTA
WATER LICENSE NO. 5710-3

(1) The City of Sioux Falls, 224 W 9th St, Sioux Falls SD 57102 made Application No. 5710-3, September 4, 1992 for a water permit to divert 2.02 cubic feet of water per second (cfs) from groundwater (six wells), Minnehaha County, South Dakota for municipal purposes. Permit No. 5710-3, with a priority date of September 4, 1992 was approved December 2, 1992 and issued to the applicant for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Permit No. 5710-3 increases the diversion rate by 2.02 cfs from the six wells authorized by Water Permit No. 5235-3 without an increase to the annual volume of water. Permit No. 5710-3 increases the total diversion rate from the wells to 8.47 cfs which is the diversion rate the existing wells are capable of producing. Permit No. 5710-3 establishes a maximum annual withdrawal limit of 3,220 acre-feet from the six wells.

Water Permit No. 5710-3 was readvertised on April 11 and 18, 1996 to correct an error on the original notice of hearing on the total diversion rate. Also, the original notice should have been advertised in official papers of both Minnehaha and Lincoln Counties, not just Minnehaha County. The readvertisement does not authorize any increase in the developed water appropriation.

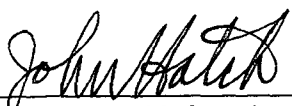
The applicable portions of Water Permit No. 5235-3 have been incorporated into this Water License No. 5710-3. A priority date of January 4, 1989 (established under No. 5235-3) is retained for 6.45 cfs. A priority date of September 4, 1992 (established under No. 5710-3) is retained for 2.02 cfs.

(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 8.47 cubic feet of water per second for beneficial use. The location of the diversion points are:

- 1,250 feet north and 225 feet west from SE corner of Sec 29-T102N-R49W (SE 1/4 SE 1/4)
- 640 feet north and 200 feet west from SE corner of Sec 29-T102N-R49W (SE 1/4 SE 1/4)
- 150 feet north and 200 feet west from SE corner of Sec 29-T102N-R49W (SE 1/4 SE 1/4)
- 850 feet south and 200 feet west from NE corner of Sec 32-T102N-R49W (NE 1/4 NE 1/4)
- 2,260 feet south and 1,000 feet west from NE corner of Sec 6-T101N-R49W (SE 1/4 NE 1/4)
- 2,700 feet south and 1,360 feet west from NE corner of Sec 6-T101N-R49W (NW 1/4 SE 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 City of Sioux Falls, 224 West 9th St, Sioux Falls SD 57102 the holder and/or owner of Incorporated Water Permit No. 5710-3 is issued a license to appropriate water, the right to use 8.47 cubic feet of water per second from groundwater (six wells) with priority dates of January 4, 1989 (6.45 cfs) and September 4, 1992 (2.02 cfs) 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 Incorporated Water Permit No. 5710-3 and subject to South Dakota State Law.



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

JUL 2 1996

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUL 2 1996

5115-3
5127A-3
5242-3
5710-3

Lyle Johnson, Utility Manager
City of Sioux Falls
224 West 9th St.
Sioux Falls, SD 57102

Dear Mr. Johnson:

Enclosed are Water License Nos. 5115-3, 5127A-3, 5242-3 and 5710-3. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 413806, 414971, 414972 and 414973 in the amount of \$50.00 each which you paid for the investigation 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 well authorized by Water Right Nos. 5115-3, 5127A-3, 5242-3 and 5710-3, 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 Program
(605) 773-3352

ks
enclosures

NOTE: The applicable portions of Water Permit No. 5127 have been incorporated into this Water License No. 5127A-3, and the applicable portions of Water Permit No. 5235-3 have been incorporated into this Water License No. 5710-3.

City of Sioux Falls



CITY OF SIOUX FALLS
PUBLIC WORKS

Providing a Better Quality of Life for You!

Administration

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8600 F: 367-8114

Engineering/Real Estate

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8601 F: 367-4310

Environmental

1203 North Western Avenue
Sioux Falls, SD 57104-1201
T: 605-367-8276 F: 367-4886

Fleet Management

1000 East Chambers Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8240 F: 367-8239

GIS

132 North Dakota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8651 F: 367-8113

Household Hazardous Waste Facility/Sustainability

1015 East Chambers Street
Sioux Falls, SD 57104-7200
T: 605-367-8695 F: 367-4993

Landfill

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8162 F: 367-8167

Light

2000 North Minnesota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-373-6979 F: 373-6974

Street

1000 East Chambers Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8255 F: 367-8200

Utility Billing

1201 North Western Avenue
P.O. Box 7401
Sioux Falls, SD 57117-7401
T: 605-367-8131 F: 367-7341

Utility Maintenance

668 West Algonquin Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8810 F: 367-7883

Water Purification

2100 North Minnesota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-373-6940 F: 373-6941

Water Reclamation

4500 North Sycamore Avenue
Sioux Falls, SD 57104-9612
T: 605-367-8188 F: 367-8484

May 7, 2012

Mr. Eric Gronlund
SD Department of Environment and Natural Resources
Water Rights Program
Joe Foss Building
523 Capitol
Pierre, SD 57501

Dear Eric,

As you are aware, the City of Sioux Falls completed work on horizontal collector well (No. 62) in October, 2010. The DENR granted water rights to this well in October of 2011 (Water Permit No. 7232-3). This well is located in the SE1/4, SE 1/4, Sec 29, Twp 102N, Rg 49W.

The City of Sioux Falls has six existing small diameter gravel pack wells with water rights in the same general area of the new collector well No. 62. These small wells have water rights (Water Permits No. 5235-3 & 5710-3). The gravel pack wells, No. 60, 61, & 62 are located very close to the new collector well. The location of these wells is listed as SE1/4, SE1/4, Sec 29, Twp 102N, Rg 49W.

City staff has determined, in the best interest of the new collector well, that it didn't make sense to keep the three small gravel pack wells operational. In late October, 2011, the three wells No. 60, 61, 62 were taken out of service and plugged as required by the DENR. I have attached the South Dakota Well and Test Hole Plugging Report to document that the small wells have been plugged. Attached is an exhibit identifying the location of the three gravel pack wells and the new collector well.

If you have any questions, please let me know.

Sincerely,

Greg Anderson
Water Superintendent
City of Sioux Falls
605-373-6944

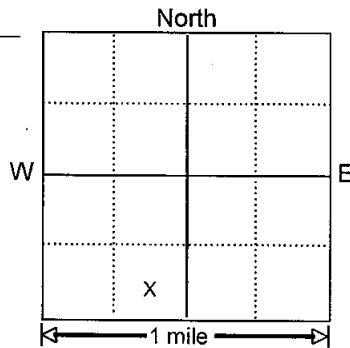
RECEIVED

MAY 09 2012

WATER RIGHTS
PROGRAM

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SE ¼ SE ¼ Sec 29 Twp 102N Rg 49W

Well Owner:

County MinnehahaPlease mark well
location with an "X"Name: City of Sioux FallsAddress: 2100 N Minnesota AvenueCity, State, Zip: Sioux Falls SD 57104

Comments:

Abandoned gravel pack Well 61, it was located in the same area as the new collector well 62.
Well 61 pumping rate reduced due to plugged screen.

Plugging Completion Date 11-18-2011**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 37 feetCasing material plasticCasing size(s) 12 inchCasing condition 80% plugged

Hole depth _____

Hole size _____

RECEIVED**MAY 09 2012****WATER RIGHTS
PROGRAM**

Describe plugging procedure:

1. Placed clean washed gravel in casing to the top of existing water table - static level.
2. Place cement grout in casing to a level 3 feet above water table to cover the washed gravel.
3. Removed the top three feet of casing and filled hole with compacted clay and covered with top soil.

Describe grout or plugging material:

Mixed cement grout and water with hand mixer and poured into the casing and let cure.

Type of non-slip plug: _____

This well or test hole was plugged under license # _____ and this report is true and accurate.

Drilling firm: _____

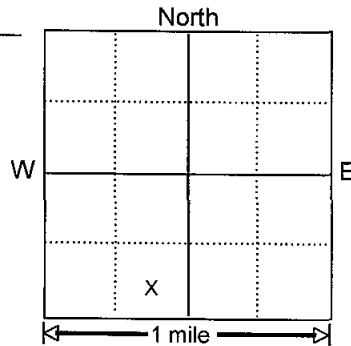
Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SE ¼ SE ¼ Sec 29 Twp 102N Rg 49W

Well Owner:

County MinnehahaPlease mark well
location with an "X"Name: City of Sioux FallsAddress: 2100 N Minnesota AvenueCity, State, Zip: Sioux Falls SD 57104

Comments:

Abandoned gravel pack Well 62, it was located in the same area as the new collector well 62.
Well 62 pumping rate reduced due to plugged screen.

Plugging Completion Date 11-18-2011**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 37 feetCasing material plasticCasing size(s) 12 inchCasing condition 80% plugged

Hole depth _____

Hole size _____

RECEIVED**MAY 09 2012****WATER RIGHTS
PROGRAM**

Describe plugging procedure:

1. Placed clean washed gravel in casing to the top of existing water table - static level.
2. Place cement grout in casing to a level 3 feet above water table to cover the washed gravel.
3. Removed the top three feet of casing and filled hole with compacted clay and covered with top soil.

Describe grout or plugging material:

Mixed cement grout and water with hand mixer and poured into the casing and let cure.

Type of non-slip plug: _____

This well or test hole was plugged under license # _____ and this report is true and accurate.

Drilling firm: _____

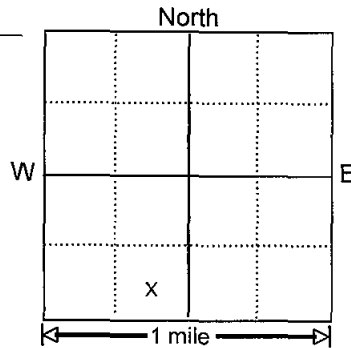
Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02Location SE ¼ SE ¼ Sec 29 Twp 102N Rg 49W

Well Owner:

County MinnehahaPlease mark well
location with an "X"Name: City of Sioux FallsAddress: 2100 N Minnesota AvenueCity, State, Zip: Sioux Falls SD 57104

Comments:

Abandoned gravel pack Well 60, it was located in the same area as the new collector well 62.
Well 60 pumping rate reduced due to plugged screen.

Plugging Completion Date 11-18-2011**CHECK APPROPRIATE BOX**EXISTING WELL ☒TEST HOLE ☐Well depth 37 feetCasing material plasticCasing size(s) 12 inchCasing condition 80% plugged

Hole depth _____

Hole size _____

RECEIVED**MAY 09 2012****WATER RIGHTS
PROGRAM**

Describe plugging procedure:

1. Placed clean washed gravel in casing to the top of existing water table - static level.
2. Place cement grout in casing to a level 3 feet above water table to cover the washed gravel.
3. Removed the top three feet of casing and filled hole with compacted clay and covered with top soil.

Describe grout or plugging material:

Mixed cement grout and water with hand mixer and poured into the casing and let cure.

Type of non-slip plug: _____

This well or test hole was plugged under license # _____ and this report is true and accurate.

Drilling firm: _____

Signature of Licensed Representative: _____

Signature of Well Owner: _____

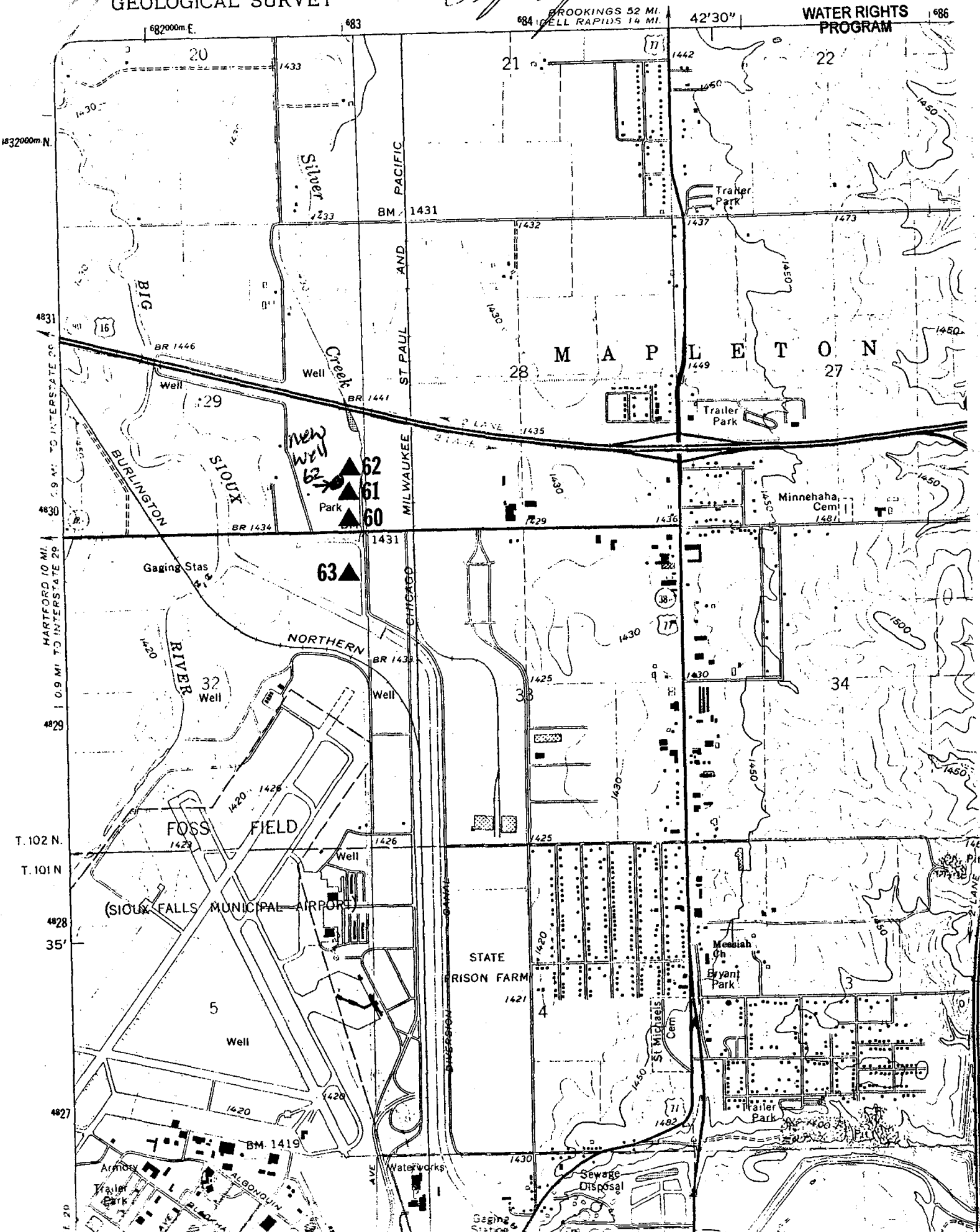
Date: _____

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

John Johnson, PE

MAY 09 2012

WATER RIGHTS
PROGRAM



WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

The city of Sioux Falls holds Water Right No. 5710-3 authorizing diversion of 8.47 cfs from a total of six wells (Well Nos. 60, 61, 62, 63, 64 and 65).

Priority dates: January 4, 1989 for 6.45 cfs
September 4, 1992 for 2.02 cfs

On May 9, 2012, the city notified the program that Wells Nos. 60, 61 and 62 were taken out of service and plugged. The three wells are located in the SE ¼ SE ¼ Section 29, T102N, R49W.

Portions of Water Right No. 5710-3 (wells and associated diversion rates) will be scheduled for cancellation consideration. Once the Water Management Board takes action to cancel the abandoned portion of the water right, Water Right No. 5710-3 will be reissued for Well Nos. 63, 64 and 65 along with the associated diversion rates.

A breakdown of the necessary action to be taken for Water Right No. 5710-3 is listed below:

Well number and location	Diversion Rate	Action
Well #60: SE ¼ SE ¼ Section 29, T102N, R49W	700 gpm	Abandoned – to be cancelled
Well #61: SE ¼ SE ¼ Section 29, T102N, R49W	500 gpm	Abandoned – to be cancelled
Well #62: SE ¼ SE ¼ Section 29, T102N, R49W	750 gpm	Abandoned – to be cancelled

The three wells total 1,950 gpm or approximately 4.34 cfs

Well #63: NE ¼ NE ¼ Section 32, T102N, R49W	500 gpm	Authorized under reissued license
Well #64: NW ¼ SE ¼ Section 6, T101N, R49W	630 gpm	Authorized under reissued license
Well #65: SE ¼ NE ¼ Section 6, T101N, R49W	730 gpm	Authorized under reissued license

The three wells total 1,860 gpm or approximately 4.13 cfs

When the abandoned portions are cancelled and the license is reissued, a priority date of January 4, 1989 will be retained for the entire remaining diversion rate of 4.13 cubic feet per second.

City of Sioux Falls



CITY OF SIOUX FALLS
PUBLIC WORKS

Providing a Better Quality of Life for You!

Administration/GIS

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8600 F: 367-4605

Engineering/Real Estate

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8601 F: 367-4310

Environmental

1203 North Western Avenue
Sioux Falls, SD 57104-1201
T: 605-367-8276 F: 367-4886

Fleet Management

1000 East Chambers Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8240 F: 367-8239

Household Hazardous Waste Facility

1015 East Chambers Street
Sioux Falls, SD 57104-7200
T: 605-367-8895 F: 367-4993

Landfill

224 West Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8162 F: 367-8167

Light

2000 North Minnesota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-7006 F: 367-8306

Street

1000 East Chambers Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-8255 F: 367-7010

Utility Billing

1201 North Western Avenue
P.O. Box 7401
Sioux Falls, SD 57117-7401
T: 605-367-8131 F: 367-7341

Utility Maintenance

668 West Algonquin Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-7020 F: 367-7883

Water Purification

2100 North Minnesota Avenue
P.O. Box 7402
Sioux Falls, SD 57117-7402
T: 605-367-7025 F: 367-8475

Water Reclamation

4500 North Sycamore Avenue
Sioux Falls, SD 57104-9612
T: 605-367-8188 F: 367-8484

August 23, 2016

Eric Gronlund
Water Rights Program, DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Subject: Well Standby Status

Dear Mr. Gronlund,

The City of Sioux Falls has existing water rights to the Sioux Falls unit of the Big Sioux Aquifer. Water samples from a number of wells in the Big Sioux Aquifer were sampled, analyzed, and were found to have contaminants listed as Perfluoroalkyl substances or PFAS's. This man-made chemical has been used to keep food from sticking to cookware, to make sofas and carpets resistant to stains, to make clothes and mattresses more waterproof, and may also be used in some food packaging, as well as in some firefighting materials such as firefighting foam. Some products that use or used PFAS's include dental floss, non-stick cookware, microwave popcorn bags, pizza boxes, fast food wrappers, outdoor gear with durable water resistant coatings, shampoo, nail polish, facial moisturizers, and eye make-up. Drinking water is only one of many potential sources where a consumer may be exposed to PFAS's.

As a result of the sampling a total of 19 wells have been found to have PFAS contamination. These wells are located in an area south of 60th Street North, east of the Big Sioux River, west of the diversion channel. All wells impacted are within the boundaries of the Sioux Falls Regional Airport.

The Water Division is formally requesting support and approval from the Water Rights Chief Engineer to place the 19 contaminated wells in stand-by until further notice. At this time the Sioux Falls water plant does not have a treatment technology to remove the PFAS contamination from the source. The Water Division also does not have the means or methods required to remove the PFAS contamination from the Big Sioux Aquifer water. The Water Division is actively looking for options to respond to this challenge. At this time nothing has been identified.

RECEIVED

AUG 26 2016

WATER RIGHTS
PROGRAM

The Sioux Falls Water Division is asking to place the following wells and water rights in stand-by.

Well Number	Water Right	Well Number	Water Right
3	256-3	20	269-3
4	257-3	21	270-3
10	259-3	23	272-3
11	260-3	24	273-3
12	261-3	27	276-3
13	262-3	28	298-3
14	263-3	29	299-3 – 7363-3
15	264-3	64	5710-3
17	266-3	65	5710-3
18	267-3		

If you have any questions or comments please contact me at 605-373-6940

Sincerely,



Greg Anderson
Water Superintendent
Sioux Falls Water Division

RECEIVED

AUG 26 2016

WATER RIGHTS
PROGRAM



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

August 29, 2016

Greg Anderson, Water Superintendent
Sioux Falls Water Division
PO Box 7402
Sioux Falls SD 57117-7402

Dear Mr. Anderson:

The Department of Environment and Natural Resources (DENR) is in receipt of your letter dated August 23, 2016. The letter explains that 19 existing wells are to be placed on standby status due to contamination. The city intends for the wells to be held on standby until treatment technology becomes available to treat or remove the contaminant from the source.

Administrative Rule of South Dakota 74:02:01:37.02 found below provides for exceptions to the nonuse of water. This includes water supply maintained for standby purposes provided the water diversion works are maintained in working condition for immediate use upon demand.

74:02:01:37.02. Exceptions to nonuse of water. A water supply maintained for either fire protection or standby purposes, or both, is not nonuse of a water permit, right, or vested right if the water diversion works are maintained in working condition for immediate use upon demand. Works to divert appropriated water must include wells equipped with functional motors, pumps, and appurtenances to convey water or functional motors, pumps, and appurtenances to convey water from a surface source, as applicable. Wells that are capped, sealed, or plugged are not standby or fire protection works.

Your letter will be included in the administrative record for each water right associated with these wells.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
eric.gronlund@state.sd.us

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCESJOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

SEP 06 2018

Greg Anderson
City of Sioux Falls
2100 N Minnesota Ave
Sioux Falls SD 57104

RE: Water Right Nos. 299-3, 395-3, 396-3, 1347-3, 5710-3, 7361-3, 7362-3 & 7363-3

Dear Mr. Anderson:

Enclosed are Water License Nos. 7361-3, 7362-3, 7363-3 and Reissued Water License No. 1347-3. They are the final water right documents completing the process of obtaining Water Rights. Included with the licenses for Nos. 7361-3, 7362-3 and 7363-3 are maps prepared by the staff engineer who conducted the field investigation.

Upon licensing, the applicable portions of Water Right Nos. 299-3, 395-3 and 396-3 were incorporated into Nos. 7361-3, 7362-3 and 7363-3 in their entirety. Portions of Nos. 1347-3 and 5710-3 were also incorporated into the licenses.

With respect to Water Right No. 5710-3, three of the wells are no longer in use and have been plugged. Our intent is to schedule that portion of the water right for cancellation consideration. Once the Board takes action, the water license will be reissued to reflect the remaining wells and associated diversion authority.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. 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.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

File Nos. 7361-3, 7362-3, 7363-3, 5710-3, 1347-3, 299-3, 395-3, 396-3

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permits for city of Sioux Falls

ADDRESS: 2100 No Minnesota Avenue, Sioux Falls SD COUNTY: Minnehaha County

DATE: October 31, 2012 TELEPHONE:

RE: documentation of transfer of water rights

Water Permit Application Nos. 7361-3, 7362-3 and 7363-3 were approved to transfer either diversion rate authority from Water Right No 5710-3 or volume authority from Water Right No. 5710-3 or Water Right No. 1347-3 to the existing wells under Water Right Nos. 299-3, 395-3 and 396-3. This file documentation is intended to track the new quantity of water remaining in the various water rights.

The decrease in Water Right Nos. 5710-3 and 1347-3 is as follows:

Water Right ⇒	5710-3 (cfs)	5710-3 (ac-ft)		1347-3 (cfs)	1347-3 (ac-ft)
Amount prior to applications	8.47 cfs	3,220 ac-ft		5.913 cfs	4,282 ac-ft
7361-3	1.45 cfs	0		0	719 ac-ft
7362-3	1.45 cfs	0		0	719 ac-ft
7363-3	1.45 cfs	719 ac-ft		0	0
Amount Remaining after transfer	4.12 cfs	2,501 ac-ft		5.913 cfs	2,844 ac-ft

(continued)

Increases to diversion authority from wells authorized by Water Right Nos. 299-3, 395-3 and 396-3

Water Right ⇒	299-3(cfs) & 7363-3	299-3 (ac-ft)	395-3 (cfs) & 7362-3	395-3 (ac-ft)	396-3 (cfs) & 7361-3	396-3(ac-ft)
Amount prior to applications	3.12 cfs	2259 ac-ft	3.12 cfs	2259 ac-ft	3.12 cfs	2259 ac-ft
7361-3			1.45 cfs	719 ac-ft		
7362-3					1.45 cfs	719 ac-ft
7363-3	1.45 cfs	719 ac-ft				
Amount Authorized from wells	4.57 cfs	2,978 ac-ft	4.57 cfs	2,978 ac-ft	4.57 cfs	2,978 ac-ft

NAME: Eric Thompson



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

August 29, 2018

NOTICE OF CANCELLATION

TO: Greg Anderson, Water Superintendent, City of Sioux Falls, 2100 N Minnesota Ave,
Sioux Falls SD 57104-7402

FROM: Ron Duvall, Water Rights Permitting Administrator
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Cancellation of portions of Water Right No. 5710-3

Water Right No. 5710-3 authorizes diversion from six wells (Nos. 60, 61, 62, 63, 64 & 65) for municipal purposes. A portion of the diversion authority and associated volume from Water Right No. 5710-3 was transferred to other permits. Prior to reissuing the water right for the remaining diversion rate and volume of water, the three wells that have been taken out of service and plugged need to be removed from the water right. Well Nos. 60, 61 & 62 located in the SE ¼ SE ¼ Section 29, T102N, R49W were plugged by the city in October, 2011. The Chief Engineer of the Water Rights Program is recommending cancellation of Well Nos. 60, 61 and 62 from No. 5710-3 for abandonment. The cancellation does not diminish the diversion rate or volume authority of Water Right No. 5710-3.

The Water Management Board will consider cancellation of portions of Water Right No. 5710-3 at **1:00 pm, Thursday, October 4, 2018** (Central Time) in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD (*the agenda time is an estimate and the actual time of hearing may be later*).

The recommendation of the Chief Engineer is not final or binding upon the Board. The Board is authorized to 1) cancel portions of, 2) delay action on, or 3) take no action on Water Right No. 5710-3 based upon facts presented at the public hearing. Our records show the City of Sioux Falls to be the owner of property covered by this water right. If you wish to oppose the cancellation and if you intend to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, you must file a written petition with the Chief Engineer by September 24, 2018. The petition may be informal, but it must include a statement describing the reasons for your opposition to the cancellation, and your signature and mailing address or your legal counsel if legal counsel is obtained.

The hearing will be conducted pursuant to the provisions of SDCL 46-1-1 thru 46-1-10, 46-1-14 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-17; 46-5-36, 46-5-37, 46-5-37.1; 46-2A-1 thru 46-2A-7; and Board Rules ARSD 74:02:01:36 thru 74:02:01:41. These are contested cases pursuant to procedures contained in SDCL 1-26.

This hearing is an adversarial proceeding. Any party has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The time of the hearing will be automatically extended for at least twenty days upon your written request to the Chief Engineer after a petition has been filed to oppose the cancellation. If an extension is requested, the hearing on the cancellation will be continued until the next regular Board Meeting. Any request for extension must be filed with the Chief Engineer by September 24, 2018.

Prior to September 24, 2018, contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) if assistance is needed with the following: 1) further information on the proposed cancellation; 2) to assure access to the meeting room for the handicapped; or 3) to obtain an interpreter for the hearing-impaired.

According to SDCL 1-26-18.3, parties to a contested case may use the Office of Hearing Examiners to conduct a hearing if either a property right is being terminated or the dollar amount in controversy exceeds \$2,500.00. If you choose to use the Office of Hearing Examiners rather than the hearing procedure described above, then you need to notify the Chief Engineer (Water Rights Program, 523 E. Capitol Avenue, Pierre SD) by September 9, 2018.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

RECOMMENDATION OF CHIEF ENGINEER

FOR PORTIONS OF WATER RIGHT NO. 5710-3, CITY OF SIOUX FALLS

Pursuant to SDCL 46-2A-2 and 46-5-37.1, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Right No. 5710-3.

The Chief Engineer is recommending cancellation of Well Nos. 60, 61, & 62 located in the SE ¼ SE ¼ Section 29, T102N, R49W from Water Right No. 5710-3 for abandonment. These wells were taken out of service and plugged in October, 2011.

Ron Duvall, Water Rights Permitting Administrator
for Jeanne Goodman, Chief Engineer
August 29, 2018

Note:

Water Right No. 5710-3 authorized diversion of 8.47 cubic feet of water per second from six wells (Nos. 60, 61, 62, 63, 64 & 65). A total of 4.35 cfs and the associated annual volume were transferred to Permit Nos. 7361-3, 7362-3 and 7363-3 leaving 4.12 cfs and 2,501 acre feet annually. Once the abandoned portions of the water right are cancelled by the Board, the water right will be reissued for the remaining 4.12 cfs and 2,501 acre feet annually from Well No. 63 located in the NE ¼ NE ¼ Section 32, T102N, R49W; Well No. 64 located in the NW ¼ SE ¼ Section 6, T101N, R49W and Well No. 65 located in the SE ¼ NE ¼ Section 6, T101N, R49W.

CERTIFICATION

I hereby certify that on August 29, 2018, I have personally deposited with the United States mail at Pierre, South Dakota, a first class postage prepaid envelope containing a "Notice of Cancellation" dated August 29, 2018 involving the following water rights/permits:

Water Right No. 5710-3.

Greg Anderson, Water Superintendent, City of Sioux Falls, 2100 N Minnesota Ave, Sioux Falls SD 57104-7402

Water Right No. 1567B-3

Sheryl L Lafleur, 633 W Log Cabin Lane, Dakota Dunes SD 57049

Water Permit No. 1420-1 and Water Right No. 1454-1

Ryan Brunner, Commissioner, SD School & Public Lands, 500 E Capitol Ave., Pierre SD 57501 (interoffice)

Mark Lawrensen, DENR, Minerals & Mining Program, 523 E Capitol Ave., Pierre SD 57501 (interoffice)

Vickie Maberry

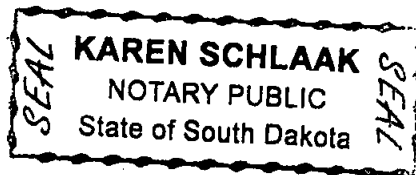
Vickie Maberry
Water Rights Program

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 29th day of August, 2018

Karen Schlaak

Karen Schlaak
Notary Public



My commission expires 4/1/2019



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

5710-3

OCT 10 2018

Greg Anderson, Water Supt
City of Sioux Falls
2100 N Minnesota Ave
Sioux Falls SD 57104-7402

Dear Mr. Anderson:

Enclosed is your Reissued Water License No. 5710-3. The license has been reissued to clarify well locations and the remaining diversion rate and associated volume of water authorized.

In 2012, a portion of diversion authority and volume associated with Water Right No. 5710-3 was transferred to other permits. Additionally, in 2011, three wells (Nos. 60, 61 & 62) were taken out of service and plugged. On October 4, 2018, the Water Management Board took action to cancel and remove the three wells from Water Right No. 5710-3. The cancellation did not diminish the diversion rate or volume authority.

If you have any questions concerning the Board action to cancel portions of Water Right No. 5710-3 or the reissued water license, please contact Genny McMath, with our program, at (605) 773-3352.

Sincerely,

A handwritten signature in black ink that reads "Jeanne Goodman". The signature is fluid and cursive, with the first name "Jeanne" being more prominent.

Jeanne Goodman, Chief Engineer
Water Rights Program

enclosure

STATE OF SOUTH DAKOTA
REISSUED WATER LICENSE NO. 5710-3

(1) The City of Sioux Falls, 2100 N Minnesota Ave., Sioux Falls SD 57104-7402 was issued Water License No. 5710-3, July 2, 1996 for a water right to divert 8.47 cubic feet of water per second (cfs) from ground water, six wells (Big Sioux: Sioux Falls Aquifer), Minnehaha County, South Dakota for municipal purposes. Water License No. 5710-3, with priority dates of January 4, 1989 and September 4, 1992 was issued to the permit holder for diversion of water with construction of the described water supply system and the application of water to beneficial use completed.

Water License No. 5710-3 established a maximum annual withdrawal of 3,220 acre feet from the six wells (known as Nos. 60, 61, 62, 63, 64 & 65). In 2012, a total of 4.35 cfs and the associated annual volume were transferred to Permit Nos. 7361-3, 7362-3 and 7363-3 leaving 4.12 cfs and 2,501 acre feet annually still authorized under No. 5710-3.

Documentation provided by the city indicated Well Nos. 60, 61 and 62 were taken out of service and plugged in October, 2011. The Water Management Board took action on October 4, 2018 to cancel the abandoned wells from the water right. Water License No. 5710-3 is being reissued to remove the abandoned wells and authorize the remaining 4.12 cfs and 2,501 acre feet of water annually from Well Nos. 63, 64 & 65 (described below).

(2) It is certified that the city has complied with the provisions of South Dakota State Law relating to completion of the water supply system and is entitled to divert 4.12 cubic feet of water per second (2,501 acre feet annually) for beneficial use. The location of the diversion points are as follows:

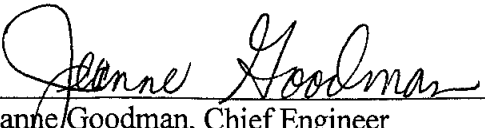
- Well No. 63: 850'S & 200'W of the NE corner of Section 32, T102N, R49W (NE ¼ NE ¼)
- Well No. 64: 2,700'S & 1,360'W of the NE corner of Section 6, T101N, R49W (NW ¼ SE ¼)*
- Well No. 65: 2,260'S & 1,000'W of the NE corner of Section 6, T101N, R49W (SE ¼ NE ¼)*

**Well Nos. 64 & 65 are standby wells*

(3) The city 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 Sioux Falls, 2100 N Minnesota Ave., Sioux Falls SD 57104-7402 the holder and/or owner of Water Right No. 5710-3 is issued a license to appropriate water, the right to use 4.12 cubic feet of water per second (2,501 acre feet annually) from ground water, three wells (Big Sioux: Sioux Falls Aquifer) with priority dates of January 4, 1989 (2.10 cfs) and September 4, 1992 (2.02 cfs) from the locations specified in (2) of this license for municipal purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 5710-3.


Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 10 2018
date



NOT TO SCALE

NOT TO SCALE

T102-A1
30 29
31 32
R 29 W

N

Don Durrell
Natural Resources Engineer
1/16/91
1" = 754'

License No. 5235-3

T102-A1
30 29
31 32
R 29 W

NOT TO SCALE

5710-3