

WATER PERMIT NO. XX

Name of Applicant: City of Sioux Falls

Address: 224 W 9th Street, Sioux Falls, 57104

Phone:

Amount of Water Claimed: 1.44 no add'l

Total Acres:

Source of Water Supply: well

Water to be used for: Municipal

County: Minnehaha

Type of Waste Disposal System:

Location: SW ¼ NE ¼ Section 28, T103N, R49W

PRIORITY

Date Received: 4/18/ 2003

Fee: \$100

Corrected Application Received:

Period of Annual Use: May 1 – Sept. 30

Remarks: This application proposes to transfer an irrigation right to municipal use

Diversion Point: SW ¼ NE ¼ Section 28, T103N,

R49W

Land to be Irrigated:

Depth of Well: 42

Well Driller: Lacey

Remarks:

Type of Map: Aerial

Prepared by: Gregory Johnston (licensing
investigation

Reviewed and the Number Assigned on: 4/24/2003

By: Eric Gronlund

RECEIVED
APR 18 2003
WATER RIGHTS
PROGRAM

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>2047A-3</u> (office use only)
	Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>
	Newspaper <u>Sioux Falls Argus Leader - Sioux Falls</u> <u>Sioux Valley News - Canton</u>

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

Check use(s) of water:

- | | | | |
|---|---|--|--|
| ☒ Municipal | ☐ Suburban Housing | ☐ Recreational | ☐ Institutional |
| ☐ Rural Water System | ☐ Commercial | ☐ Fish & Wildlife | ☐ Geothermal Heat |
| ☐ Domestic (over 18 gpm) | ☐ Industrial | ☐ Other _____ | |

Type of Application: (check one)

- ☐ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☒ Amendment/Correction to Permit No. 2047-3

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

Change use of water right from irrigation to municipal. 1.44 cfs from May 1st to September 30th.

- Name of Applicant City of Sioux Falls Phone _____
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 224 W 9th Street Sioux Falls State SD 57104
(Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 1.440 *CFS or _____ **GPM _____ ***AF _____
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Big Sioux Aquifer
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Minnehaha
NE 1/4 of Section 28-T103N-R49W
- County or counties where water will be used Minnehaha
- Annual period during which water is to be used May 1 to Sept 30
- Give a description of the 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)
Use existing irrigation well for municipal water usage until new additional water rights can be applied for after exploration and new well design completed. Existing well information added to form 2A under well information.

STATE OF SOUTH DAKOTA)

County of Minnehaha SS

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Randy Janssen, 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.

Applicant's signature Randy Janssen

Subscribed and sworn to before me this 4th day of April 20 03

Darla Cottrell

Notary Public signature
My Commission Expires:
September 5, 2005

SOUTH DAKOTA
WATER PERMIT NO. 2047A-3

Date of first receipt of application April 18, 2003.-----

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2047A-3 to the City of Sioux Falls, 224 E 9th St, Sioux Falls SD 57104 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. 2047A-3 changes the use of 1.44 cubic feet of water per second (cfs) from irrigation use as authorized by Water Right No. 2047-3 to municipal use by the City of Sioux Falls. Water Right No. 2047-3 appropriates 1.44 cfs from one well, 42 feet deep (Big Sioux Aquifer) located in the approximate center of the NE $\frac{1}{4}$ Section 28-T103N-R49W to irrigate 126 acres with a February 13, 1974 priority date. The use of water will be limited to the period May 1 – September 30 and a total annual volume of 378 acre feet of water. The irrigation use will be abandoned and changed to municipal use with the same priority date. No additional water appropriation is authorized by this permit.
2. The water appropriated shall be used for the purpose of municipal use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: May 1 – September 30.
4. The date of approval of Permit No. 2047A-3 is July 14, 2003.
5. The date from which applicant may claim right is February 13, 1974.
6. One-fifth of the construction is to be completed on or before January 14, 2006.
7. All construction is to be completed on or before July 14, 2008.
8. Water is to be put to beneficial use on or before July 14, 2012.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior 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 the 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.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.

Continued

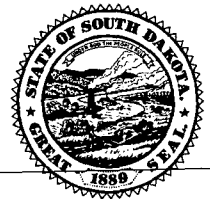
3. ~~The city of Sioux Falls has senior priority right to water from the Sioux Falls Management Unit under existing water rights and a future use withdrawal permit.~~ Permit No. 2047A-3 is issued as a temporary permit pursuant to SDCL 46-5-39 and will be subject to the city's prior rights. This permit may be subject to cancellation if the city puts to beneficial use water reserved by their future use permits. Prior to cancellation, the Chief Engineer must provide the permit holder six months notice.
4. Water Permit No. 2047A-3 authorizes an annual volume from the Sioux Falls Management Unit of the Big Sioux Aquifer of 378 acre feet of water with diversions limited to the months May 1 – September 30 of each year.
5. Approval of Permit No. 2047A-3 retires the 126 acres which has been historically irrigated located in the NE ¼ Section 28, T103N, R49W from future irrigation.
6. 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.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

OCT 10 2003

date



(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter _____ Depth 42 ft
- b) Casing Type steel Diameter 14 inches Thickness _____
- c) Screen Type Stainless Diameter 14 inches Thickness 0.080 inch
- d) Gravel Pack _____ Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material _____
- f) Depth to Water (ground surface to water level) _____ 9 feet
- g) Distance to nearest existing domestic well:
On applicants property _____ On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System

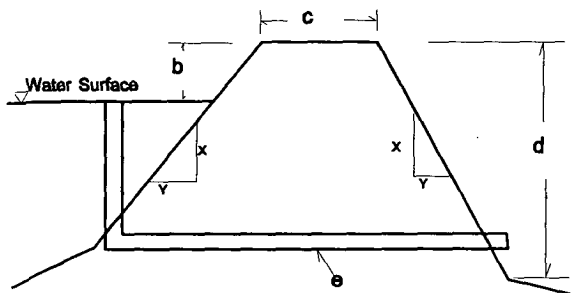
3. Dugout Information

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

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to 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 _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date April 18, 20 03

RECEIVED OF City of Sioux Falls, 224 West Ninth St, Sioux Falls SD 57104-6407

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	50	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____	50	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	100.00

No.

000765

By

Darland Erbe

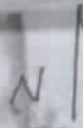
Chief Engineer

gmu

NOT TO SCALE



1" = 754'



NE 1/4 Section 28-T103N-R49W:

70-1

NE corner

No. 2047-3

VAL BECKMAN

Drawn by:

Gregory C. Johnston
Natural Resources Engineer II
Water Rights Division
DENR

2/7/93

NW 1/4 NE 1/4 = 31 acres

NE 1/4 NE 1/4 = 30 acres

1390'

SW 1/4 NE 1/4 = 33 acres

Center Pivot
Well

1357'
SE 1/4 NE 1/4 = 32 acres

84.0

All in Section 28-T103N-R49W:

NW 1/4 NE 1/4 = 31 acres

SW 1/4 NE 1/4 = 33 acres

NE 1/4 NE 1/4 = 30 acres

SE 1/4 NE 1/4 = 32 acres

16.1 Total 126 acres

①

7.0

2.5

16.3

T2338

103-49

T2244

Water License 2047-3

WATER PERMIT APPLICATION NO. 2047A-3
CITY OF SIOUX FALLS
MAY 14, 2003

Water Permit Application No. 2047A-3 proposes to change the use of 1.44 cubic feet of water per second (cfs) from irrigation use as authorized by Water Right No. 2047-3 to municipal use by the City of Sioux Falls. Water Right No. 2047-3 appropriates 1.44 cfs from one well, 42 feet deep (Big Sioux aquifer) located in the approximate center of the NW¼ Sec. 28, T103N-R49W to irrigate 126 acres with a February 13, 1974 priority date. The use of water will be limited to the period May 1 – September 30 and a total annual volume of 378 acre-feet of water. The irrigation use will be abandoned and changed to municipal use with the same priority date. No additional water appropriation is authorized by this application.

AQUIFER: Big Sioux: Sioux Falls (BS:SF)

AQUIFER CHARACTERISTICS:

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 on the south (Sioux Falls) by the relatively impermeable Sioux Quartzite. The aquifer is predominately under unconfined conditions. The direction of water movement in the aquifer is generally to the south and towards the Big Sioux River (Lindgren, 1992). The aquifer attains a maximum thickness of approximately 48 feet.

The Water Rights Program monitors 13 observation wells completed into the Sioux Falls management unit of the Big Sioux aquifer. Data from the wells indicate the water levels rise during the late winter and spring due to recharge, if available. The water level of the aquifer fluctuates rapidly in response to recharge. The response to withdrawals is less obvious and tends to be represented by a slow gradual decline. The decline of water levels during the summer months is due to increased evapotranspiration, reduced recharge, and pumpage. Data from the observation wells indicate the aquifer is capable of sustaining additional withdrawals.

DISCUSSION:

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).

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.

Historically, the amount of water pumped annually from Water Right No. 2047-3 has always been considerably less than the total appropriation. The annual pumpage reported between 1980 and 2001 for the water right is shown in figure one.

**Annual Pumping Reported
by Water Right No. 2047-3**

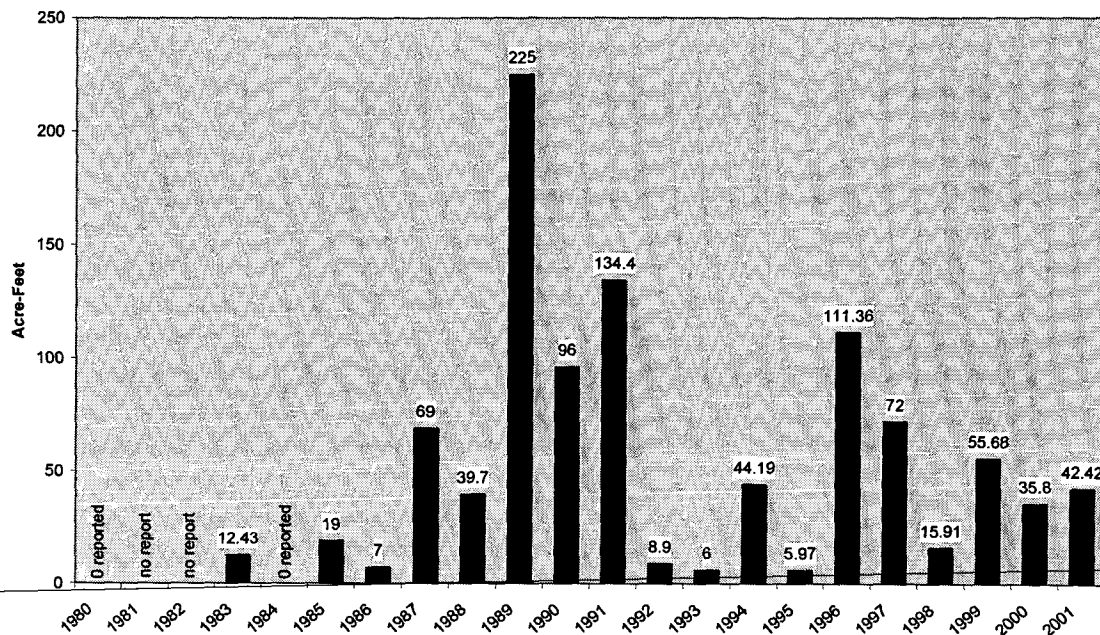


Figure 1. Withdrawals reported for Water Right No. 2047-3, (1980-2001)

Although this application proposes no increase to the amount of water currently appropriated by Water Right No. 2047-3, approval of this change of use amendment will result in withdrawals approaching the annual withdrawal limitation established for the management unit. This permit's annual appropriation (378 ac-ft/yr) can be obtained by pumping the well at a rate of 1.44 cfs, for 87% of the time between May 1 and September 30.

The increased use by this permit will not cause withdrawals from the management unit to exceed 32,200 ac-ft/yr. Development of water reserved by future use permits could however, result in withdrawals from the aquifer exceeding 32,200 ac-ft/yr with existing appropriations. If pumping from the aquifer exceeds 32,200 ac-ft/yr, junior water right holders will have to limit their pumping.

There are 65 Water Rights/Permits appropriating water from the Sioux Falls management unit of the Big Sioux aquifer. A total of 24 Water Rights/Permits from the management unit do not belong to the City of Sioux Falls. They are listed in Table 1.

PERMIT	NAME	PRIOR DATE	STATUS	USE
538-3	CITY OF BALTIC	6/7/58	LC	MUN
656-3	CLARENCE MACHMILLER	8/28/59	LC	IRR
1270-3	R C SWEETMAN	2/23/66	LC	IRR
1790-3	LINCOLN COUNTY RWS	11/23/70	PE	RWS
6162-3	LINCOLN COUNTY RWS	11/23/70	PE	RWS
2244-3	MRS DALE SWARTZ	4/8/75	LC	IRR
2311-3	MINNEHAHA COMM WATER CORP	7/8/75	LC	RWS
4034-3	E M SWEETMAN	5/13/77	LC	IRR
4620-3	MISSOURI BASIN MUN POWER	9/30/81	LC	GEO
4838-3	MINNEHAHA COMM WATER CORP	10/19/81	FU	FU
4838A-3	MINNEHAHA COMM WATER CORP	10/19/81	FU	FU
5468-3	MINNEHAHA COMM WATER CORP	10/19/81	LC	RWS
5805-3	MINNEHAHA COMM WATER CORP	10/19/81	LC	RWS
4843-3	KOA KAMPGROUNDS	12/16/81	LC	COM
4880-3	HENRY CARLSON	3/12/82	LC	GEO
5019-3	MIDWEST LAWN CARE CORP	4/27/84	LC	COM
5681-3	ST MICHAEL CEMETERY	9/25/87	LC	COM
5454-3	SD LAND COMPANY	10/16/90	LC	IRR
5556-3	ELMWOOD GOLF COURSE	3/21/91	LC	IRR
5716-3	MINNEHAHA COMM WATER CORP	8/7/92	FU	FU
5966-3	MICHAEL WILLIAMS	11/6/96	PE	IRR
5967-3	MICHAEL WILLIAMS	11/6/96	PE	IRR
6008-3	HERMAN BRENDEN	6/6/97	PE	IRR
6164-3	MINNEHAHA COMM WATER CORP	1/5/00	PE	RWS

Table 1. Appropriations not belonging to the City of Sioux Falls from the Sioux Falls Management Unit.

The priority date of this appropriation (February 13, 1974), if approved, will place it junior to the first five Water Rights/Permits in table 1 and senior to the remaining 19 Water Rights/Permits.

Effects on Existing 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 from a "cumulative affect" in which the water level throughout the entire aquifer are lowered, 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.

Well interference:

There is only one Water Right that does not belong to the City of Sioux Falls, within approximately two miles of this well. It is Water Right No. 2244-2, Mrs. Dale Swartz,

and it is located approximately 2,700 feet north of the well that is to be used for this appropriation. Any interference between these wells is not expected to be adverse since the aquifer is under unconfined conditions. Within an unconfined aquifer, drawdown caused by individual well pumping is not significant except in the immediate vicinity of a production well.

Cumulative affect:

Annual withdrawal limitation:

Although the Board has established an annual withdrawal limitation of 32,200 ac-ft/yr, the potential of adverse impact to existing rights is independent of the amount of water that can be appropriated from the aquifer. Water rights could be adversely impacted even though substantially less than 32,200 acre-feet per year is pumped. The Board adopted a declaratory ruling on November 14, 1991 stating (in part):

"That private domestic wells are being impacted and deprived of reasonable use of water for domestic purposes by appropriative permit holders' withdrawals from the Big Sioux Aquifer: Sioux Falls Management Unit."

The City of Sioux Falls offered a seven point proposal that would eliminate the problem addressed in the declaratory ruling issued November 14, 1991. Since the problem was addressed and corrected through the proposal, the board did not need to order mitigation.

Following the declaratory ruling, the Board approved a reservation for future use by the City of Sioux Falls, (Permit No. 5523-3). The consequence of the declaratory ruling was the inclusion of the following qualification on the permit:

"If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water reserved by Future Use Permit No. 5523-3 results in adverse impairment of adequate domestic wells or adequate wells having prior 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 the 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."

Temporary Permits:

On June 28, 1957 the Water Rights Commission (now known as the Water Management Board) approved Future Use Permit No. 448-3. This permit claimed 46.8 cfs from the Sioux Falls Management Unit for future use by the City of Sioux Falls. At the present time, 5,318 ac-ft/yr remains reserved by this permit for future use.

Applications that have been filed by other parties to appropriate water from within the area specified by Future Use Permit No. 448-3, when approved, have been approved as temporary permits pursuant to SDCL 46-5-39. Each of these Water Rights contain the following qualification:

"The City of Sioux Falls has priority Rights to this water under Future Use Withdrawal Permits, and this application is approved subject to these prior rights if or when the city develops the reserved water supply."

SDCL 46-5-39 allows the Water Management Board to authorize a temporary appropriation of the water from the unused portion of a future use permit; however, 46-5-40 states that the temporary permit would be effective only until such time as the future use holder wants to use the water covered by the temporary permit. The temporary permit holder would then be given six months notice and his permit would be canceled at the end of six months.

SDCL 46-5-34.1

Pursuant to SDCL 46-5-34.1, the 126 acres located in the NE¼ Sec. 28, T103N-R49W which was irrigated by Water Right No. 2047-3 does not qualify for another irrigation right from any water source.

CONCLUSIONS:

1. Water Permit Application 2047A-3 proposes to change the use of 1.44 cfs from irrigation use to municipal use.
2. Water Permit Application 2047-3 proposes an annual appropriation of 378 acre-feet.
3. There is a reasonable probability unappropriated water is available for this appropriation.
4. There is a reasonable probability this appropriation can be made without adversely affecting existing developed rights.
5. The appropriation proposed by these applications will not cause withdrawals to exceed the annual limitation that was established for the management unit by Board's November 14, 1992 "Declaratory Ruling on Establishment of a Maximum Annual Withdrawal Limitation for the Big Sioux Aquifer: Sioux Falls Management Unit"(32,200 acre-feet per year).
6. Previous applications filed by other parties to appropriate water from within the area specified by Future Use Permit No. 448-3 were approved as Temporary Permits pursuant to SDCL 46-5-39.
7. Water Right No. 2047-3 was originally a temporary permit pursuant to SDCL 46-5-39. As such it is subject to development that may occur under Future Use No. 448-3. If approved, this amended permit should continue to be a temporary permit subject to development under Future Use No. 448-3.
8. Since the Water Management Board's November 14, 1991 "Declaratory Ruling Regarding the Decline of the Water Levels in Private Domestic Wells in the Big Sioux Aquifer: Sioux Falls Management Unit", new appropriations from the management unit have included the following qualification:

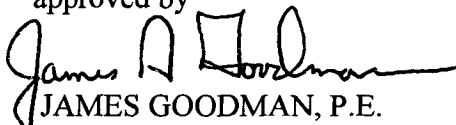
"If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the 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."

9. Pursuant SDCL 46-5-34.1, the land that had been covered under this irrigation permit is permanently retired from irrigation.



KEN BUHLER
Natural Resources Engineer

approved by



JAMES GOODMAN, P.E.
Natural Resources Engineer

REFERENCES:

- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., and Schoon, R.A., 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa: SD DENR-Geological Survey U.S. Army Corps of Engineers Contract DAWC 45-80-C-0185
- Lindgren, R.J., and Niehus, C.A., 1992, Water Resources of Minnehaha County, South Dakota: USGS, Water-Resources Investigations Report 91-4101
- Water Rights Program, 1992, "November 14, 1992 Water Management Board Minutes", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2003a, "Unpublished Observation Well Records", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2003b, "Water Permit/Right Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD

Water Rights Program, 2003c, "Irrigation Summary By Aquifer", DENR-Water Rights
Program, Joe Foss Building, Pierre, SD



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2047A-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 Water Permit Application No. 2047A-3, City of Sioux Falls, c/o Randy Janssen, Water Superintendent, 224 West 9th Street, Sioux Falls SD 57104.

The Chief Engineer is recommending APPROVAL of Application No. 2047A-3 as a TEMPORARY PERMIT because 1) the permit is a temporary permit, 2) existing rights will not be unlawfully impaired, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior 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 the 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.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
3. The city of Sioux Falls has senior priority right to water from the Sioux Falls Management Unit under existing water rights and a future use withdrawal permit. Permit No. 2047A-3 is issued as a temporary permit pursuant to SDCL 46-5-39 and will be subject to the city's prior rights. This permit may be subject to cancellation if the city puts to beneficial use water reserved by their future use permits. Prior to cancellation, the Chief Engineer must provide the permit holder six months notice.
4. Water Permit No. 2047A-3 authorizes an annual volume from the Sioux Falls Management Unit of the Big Sioux Aquifer of 378 acre feet of water with diversions limited to the months May 1 – September 30 of each year.

5. Approval of Permit No. 2047A-3 retires the 126 acres which has been historically irrigated located in the NE ¼ Section 28, T103N, R49W from future irrigation.
6. 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.

See report on application for additional information.

A handwritten signature in black ink, appearing to read "Garland Erbele". The signature is written in a cursive, somewhat stylized script.

Garland Erbele, Chief Engineer
June 16, 2003



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

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

June 17, 2003

City of Sioux Falls
% Randy Janssen
224 W 9th Street
Sioux Falls SD 57104

Dear Mr. Janssen:

Water Permit Application No. 2047A-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 Sioux Falls Argus Leader printed at Sioux Falls, SD (Ph # 605-331-2200) and the Sioux Valley News printed at Canton, SD (Ph # 605-764-2000). You will need to contact the newspapers and authorize publication of this notice. 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 newspapers to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the papers can eliminate delays. Upon receiving authorization, the publishers have 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 newspapers have also 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

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 17, 2003

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

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 2047A-3 to Appropriate Water to be published twice. Please publish the first notice on June 26, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is City of Sioux Falls, % Randy Janssen, 224 W 9th Street, Sioux Falls SD 57104 (Ph # 605-367-7040).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

CUT HERE

No. 2047A-3

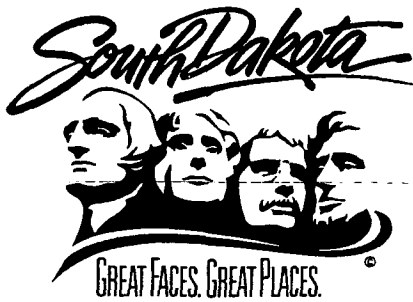
TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of June 17, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 2047A-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name _____

Newspaper _____



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
-- JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 17, 2003

Sioux Valley News
PO Box 255
Canton SD 57013-0255

ATTENTION: Legal Public Notice

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The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is City of Sioux Falls, % Randy Janssen, 224 W 9th Street, Sioux Falls SD 57104 (Ph # 605-367-7040).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

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Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

No. 2047A-3

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

Date _____

We are in receipt of your letter of June 17, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 2047A-3 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 June 26, 2003 with the second publication 7 days later. The applicant is responsible for payment.

- NOTICE OF APPLICATION-NO. 2047A-3 to Amend Water Permit No. 2047-3

Notice is given that the City of Sioux Falls, c/o Randy Janssen, 224 W 9th St, Sioux Falls SD 57104 has filed an application for a water permit to change the use of 1.44 cubic feet of water per second (cfs) from irrigation use as authorized by Water Right No. 2047-3 to municipal use by the City of Sioux Falls. Water Right No. 2047-3 appropriates 1.44 cfs from one well, 42 feet deep (Big Sioux Aquifer) located in the approximate center of the NE ¼ Section 28-T103N-R49W to irrigate 126 acres with a February 13, 1974 priority date. The use of water will be limited to the period May 1 – September 30 and a total annual volume of 378 acre feet of water. The irrigation use will be abandoned and changed to municipal use with the same priority date. No additional water appropriation is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2047A-3 as a temporary permit 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. 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 July 14, 2003.

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. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

JULIE GERBER

being first duly sworn on her oath says; that the Sioux Valley News is a legal weekly newspaper of general circulation as required by South Dakota Code of Nineteen Hundred Thirty-Nine, and any acts amendatory thereto, printed and published by the Sioux Valley News, Inc., in Canton, in said county and State, and has been such legal newspaper during the time hereinafter mentioned; that she is and during all of said time was bookkeeper of said newspaper and has personal knowledge of the facts stated in this affidavit; that the advertisement headed:

NOTICE OF APPLICATION NO. 2047A-3

a printed copy of which is hereto attached, was printed and published in said newspaper for **TWO** successive weeks upon the following dates, to-wit:

JUNE 26, 2003
JULY 3, 2003

that the full amount of the fees charged for publishing the same to-wit: the sum of **\$38.12** insures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

Subscribed and sworn to before me this **3rd** day of **JULY, 2003.**

Jeanne M. Limoges
Notary Public, South Dakota

(Seal)

Jeanne M. Limoges
My Commission Expires
November 18, 2003

RECEIVED

JUL - 7 2003

WATER RIGHTS
PROGRAM

NOTICE OF APPLICATION NO. 2047A-3 TO AMEND WATER PERMIT NO. 2047-3

Notice is given that the City of Sioux Falls, c/o Randy Janssen, 224 W. 9th St., Sioux Falls SD 57104 has filed an application for a water permit to change the use of 1.44 cubic feet of water per second (cfs) from irrigation use as authorized by Water Right No. 2047-3 to municipal use by the City of Sioux Falls. Water Right No. 2047-3 appropriates 1.44 cfs from one well, 42 feet deep (Big Sioux Aquifer) located in the approximate center of the NE 1/4 Section 28-T103N-R49W to irrigate 126 acres with a February 13, 1974 priority date. The use of water will be limited to the period May 1 - September 30 and a total annual volume of 378 acre feet of water. The irrigation use will be abandoned and changed to municipal use with the same priority date. No additional water appropriation is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2047A-3 as a temporary permit 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. 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 hearing will be given to the applicant and any person filing a petition.

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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. Steve M. Pirner, Secretary, Department of Environment and Natural Resources. (6-26 7-3)

AFFIDAVIT OF PUBLICATION-

Customer Number: 078200

Invoice Number: 14639

Argus Leader **AFFIDAVIT OF PUBLICATION**

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Vicki Kiel being duly sworn, says: That The 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; 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 26 day of June 2003,
Thursday, the 3 day of July 2003,
_____, the _____ day of _____ 2003,
_____, the _____ day of _____ 2003,
_____, the _____ day of _____ 2003,
_____, the _____ day of _____ 2003,
_____, the _____ day of _____ 2003,

and that \$102.24 was charged for publishing the same including a \$5.00 affidavit fee.

Vicki Kiel

Subscribed and sworn to before me 7/11/2003

Notary Public, South Dakota

My Commission expires June 30th, 2005

NOTICE OF APPLICATION
NO. 2047A-3 to Amend Water Permit No. 2047-3

Notice is given that the City of Sioux Falls, c/o Randy Janssen, 224 W. 9th St., Sioux Falls SD 57104 has filed an application for a water permit to change the use of 1.44 cubic feet of water per second (cfs) from irrigation use as authorized by Water Right No. 2047-3 to municipal use by the City of Sioux Falls. Water Right No. 2047-3 appropriates 1.44 cfs from one well, 42 feet deep (Big Sioux Aquifer) located in the approximate center of the NE 1/4 Section 28-T103N-R49W to irrigate 126 acres with a February 13, 1974 priority date. The use of water will be limited to the period May 1 - September 30 and a total annual volume of 378 acre feet of water. The irrigation use will be abandoned and changed to municipal use with the same priority date. No additional water appropriation is authorized by this application.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 2047A-3 as a temporary permit 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. 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 July 14, 2003.

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. Steven M. Pimer, Secretary, Department of Environment and Natural Resources.

14639 June 26, July 3, 2003

RECEIVED

JUL 14 2003

WATER RIGHTS PROGRAM



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

OCT 10 2003

City of Sioux Falls
% Randy Janssen
224 W 9th Street
Sioux Falls SD 57104

Dear Mr. Janssen:

Enclosed is Water Permit No. 2047A-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

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

enclosures

Permit Nos. 6475-3 & 2047A-3**Big Sioux River - Water District****Report of Examination of Works and/or Application of Water to Beneficial Use**

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

I have this day, **June 27, 2006**, made a thorough examination of the water use system constructed by **City of Sioux Falls** of **224 W 9th St., Sioux Falls, SD 57104** holder of Permit No. **6475-3**, bearing the priority of **April 8, 1957** authorizing the diversion of **an additional 3.2** cu. ft. per second (**1,475** acre-feet annually) and Permit No. **2047A-3**, bearing the priority of **April 8, 1957** authorizing the diversion of **1.44** cu. ft. per second (**378** acre-feet annually) of the waters of the **Sioux Falls Management Unit of the Big Sioux Aquifer** for **municipal** purposes, in **Minnehaha** County.

Inspection contact & relationship
to permit holder, if applicable:

Bruce Anderson – City of Sioux Falls cell 605-940-0526**Randy Janssen – Water Superintendent 605-367-7040****A. Works used to divert the water:****Well Information: Radial Collector Well**

- 1) Well Drilling Firm:
- 2) No. of Wells **1**
- 3) Depth(s) **38** feet
- 4) Well log is available **test logs**
- 5) Comment: **The well is a Radial Collector well. The well consists of a 16' diameter concrete vertical shaft that leads to four lateral collectors.**

Casing:

- 1) Diameter **16** feet
- 2) Length **38** feet
- 3) Type **concrete**

Screen: 4 – lateral collectors

- 1) Type **stainless steel**
- 2) Length **450** feet total
- 3) Static water level **10** feet

Pump:

- 1) Make **Goulds**
- 2) Model **14RHMC**
- 3) Size
- 4) Capacity **2088** GPM

Motor:

- 1) Make **US Electric**
- 2) Model No. **6763**
- 3) Horsepower rating **100** hp

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

- 1) Type ductile iron 2) Size 12 inches 3) Length 1310' feet

C. Works used to apply water to beneficial use:

City of Sioux Falls municipal water distribution system.

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by yes

The system is in good condition with the point(s) of diversion located as follows: 2570' S and 1340' W of the NE corner Section 28-T103N-R49W; 43.696232, -96.716419. The works are capable of diverting and conveying to the place of use 4.64 cu. ft. per second of water which is to be used for municipal purposes. Water has been put to beneficial use to the maximum extent as follows:

The license should be issued for 4.64 cfs combined and/or 1853 acre-feet combined annually.

All structures, wells and lands on map yes

Comments or other permit(s) associated with the project:

The old well under 2047A-3 has been plugged.

Future Use Permit 448-3 authorized 6929 acre-feet with 3843 acre-feet remaining after the March 2, 2006 review.


Lynn Beck

Natural Resources Engineer Specialist
DENR, Water Rights Program

Date report completed: July 14, 2006



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

NOV 01 2006

2047A-3
6475-3

Randy Janssen, Water Superintendent
City of Sioux Falls
224 E 9th St
Sioux Falls SD 57104

Dear Mr. Janssen:

Enclosed is Reissued Temporary Use Water Permit No. 2047A-3 and Water License No. 6475-3. These are the final documents completing the city's process of obtaining a Water Right.

As long as you use the water beneficially, as stated in the Reissued Temporary Use Water Permit and the Water License, State Water Laws provide that the city has a continuing right to use the water.

Sincerely,

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

enclosures

**REISSUED
SOUTH DAKOTA
TEMPORARY USE WATER PERMIT NO. 2047A-3
AS DEVELOPED**

On July 14, 2003, the Chief Engineer, on behalf of the Water Management Board issued Temporary Water Use Permit No. 2047A-3 to the City of Sioux Falls, 224 E 9th St, Sioux Falls SD 57104 authorizing construction of the water use system and placement of water to beneficial use.

Temporary Use Water Permit No. 2047A-3 changed the use of 1.44 cubic feet of water per second from irrigation use authorized under Water Right No. 2047-3 to municipal use for the City of Sioux Falls. Water Right No. 2047-3 appropriated 1.44 cfs from one well, 42 feet deep located in the approximate center of the NE $\frac{1}{4}$ Section 28, T103N, R49W to irrigate 126 acres with a February 13, 1974 priority date. The irrigation use was to be abandoned and use of water by the City limited from May 1 – September 30 each year with a total annual volume of 378 acre feet of water. No additional water appropriation is authorized by this permit.

- *Water Permit No. 6475-3 was obtained by the city to increase the diversion rate and volume of water used from the same water source. The additional water is appropriated and reserved by Future Use Permit No. 448-3 and retains a priority date of April 8, 1957.*
- 1. On June 27, 2006, an investigation was conducted of the water use system described in Temporary Use Water Permit No. 2047A-3 and Water Permit No. 6475-3 (*No. 6475-3 is licensed separately*). The applicable portions of Water Permit No. 2047-3 were incorporated into Temporary Use Water Permit No. 2047A-3 authorizing diversion of 1.44 cubic feet of water per second (378 acre feet annually) from a well, 38 feet deep (Big Sioux: Sioux Falls Aquifer) located 2,570 feet south and 1,340 feet west of the NE corner of Section 28, T103N, R49W (SE $\frac{1}{4}$ NE $\frac{1}{4}$).
- 2. The water appropriated shall be used for the purpose of municipal use and may not exceed the amount of water needed for beneficial use.
- 3. The water is to be used during the following described annual period: May 1 – September 30. (*Water Right No. 6475-3 authorizes diversion of water from the same well for year round use.*)
- 4. The date from which the water permit holder may claim right is: February 13, 1974.
- 5. Water rights obtained in compliance with the laws of the State or South Dakota may not be unlawfully impaired by this appropriation.

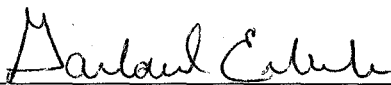
QUALIFICATIONS

1. If development and pumping of the Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit 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 ground water levels are due to drought, 2) the location of the 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.
2. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate wells or in adequate wells having prior water rights.

Temporary Use Water Permit No. 2047A-3
City of Sioux Falls
Page 2

3. The city of Sioux Falls has senior priority right to water from the Sioux Falls Management Unit under existing water rights and a future use withdrawal permit. Permit No. 2047A-3 is issued as a temporary use permit pursuant to SCDL 46-5-39 and will be subject to the city's prior rights. This permit may be subject to cancellation if the city puts to beneficial use water reserved by their future use permits. Prior to cancellation, the Chief Engineer must provide the permit holder six months notice.
4. No. 2047A-3 authorizes an annual volume from the Sioux Falls Management Unit of the Big Sioux Aquifer for 378 acre feet with diversions limited to the months of May 1 – September 30 of each year.
5. Approval of No. 2047A-3 retires the 126 acres which has been historically irrigated located in the NE ¼ Section 28, T103N, R49W from future irrigation. *(The investigation found the irrigation well had been plugged.)*
6. 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.

WATER MANAGEMENT BOARD



Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 01 2006

date

