

Considered: _____

WATER PERMIT NO. 5160-3

HAP No. same 332-1578

Name of Applicant St. Michael Cemetery

Post Office Address 3001 N Cliff Ave
1301 East Austin, Sioux Falls, SD 571084

Amount of Water Claimed 0.2 cfs Total Acres 40

Source of Water Supply ground water 1 well

Water to be used for irrigation County Minnehaha

About east miles side of Sioux Falls.

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received September 25, 1987 Fee \$150.00 Remarks _____

Corrected Application Received Oct 30, 1987 Period of Annual Use Apr 1 - Oct 30

WATER QUALITY APPROVAL RECEIVED 10/17/87 APPROVED/CONDITIONAL (Circle one)

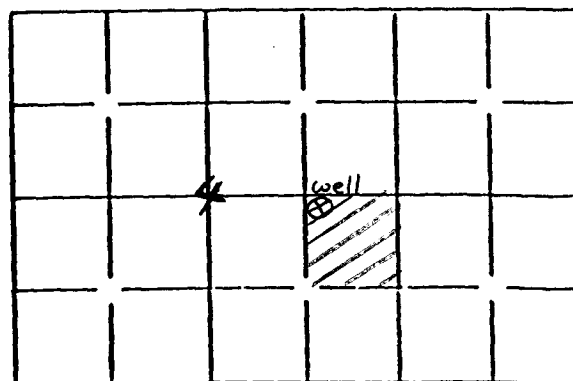
WI-1 Description same as Application YES ☒ NO _____ REMARKS _____

Diversion Point well: NE 1/4 SE 1/4 section 4 -

T101N-R49W

Land to be Irrigated NE 1/4 SE 1/4 section 4 -

T101N-R49W



Well Log: Driller Lacey Licensed YES ☒ NO _____

Depth of Well 27 feet REMARKS _____

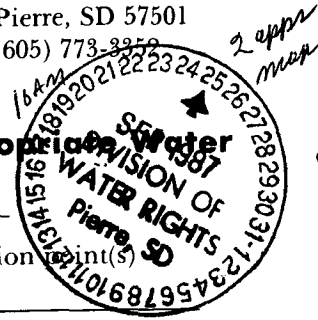
Type of Map topo PREPARED BY Kim J. Buell Reviewed and the Number

assigned on November 12, 1987 By Ron Duwall

Mail to: Water Rights Div.
DWNR, Foss Bldg.
Pierre, SD 57501
(605) 773-3950

(See instructions)

No. 5160-3 Hydrologic Unit 10170203
Basin Sioux River
Newspaper Argus Leader, Box 5034



Application For Soil/Water Compatibility Permit and Permit To Appropriation

Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. _____
☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
☐ Add Acreage ☐ Increase diversion rate ☐ Other _____

1. Name of Applicant St. Michael Cemetery Phone No. 332-1578
3001 N. Cliff Avenue
Post Office Address 301 East Austin Sioux Falls State So Dak. Zip Code 57103
(Street, RR or Box) (City)

2. Amount of water claimed (c.f.s) 0.2 Total acres irrigated 40 acres

3. Source of Water supply Well

4. Location of point of diversion NE 1/4 SE 1/4 of Sec. 4 T101N R49W

County Minnehaha

5. Counties where water will be used Minnehaha

6. Annual period during which water is to be used April 1 October 31

7. List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
<u>NE 1/4 SE 1/4 of Sec. 4</u>	<u>40</u>
<u>T101N R49W</u>	

Land Description	No. Acres Irr.

Attach sheet if more space is needed

8. Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: _____ Gun: _____ (Specify) Other Garden hose

9. Crops to be Irrigated: Grass

10. Give a description of proposed project. (Attach sheet if more space is needed)
Watering plots at the cemetery.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soils information and any other technical information.

STATE OF SOUTH DAKOTA)
County of Minnehaha)^{ss}

I, James J. Hoffmann, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed James J. Hoffmann Superintendent

Subscribed and sworn to before me this 22 day of September 19 87

Marcine Bird
Notary Public

IRRIGATION WATER PERMIT APPROVAL

The Water Management Board hereby approves Water Permit Application No. 5160-3
 to irrigate 40 acres in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ From one well (Big Sioux: South aquifer)
(legal description of land)
27 feet deep in the NE $\frac{1}{4}$ SE $\frac{1}{4}$; both in section 4-T101N-R49W
 _____ for
(diversion point, source, depth of well, etc.)

the St. Michael Cemetery 3001 N. Cliff Avenue
(Applicant) (Street, RR or Box)
Sioux Falls SD 57104 With the following qualifications.
(City) (State) (Zip Code)

See attached sheet

Date of first receipt of application September 25, 1987.
 Date Soil/Water Compatibility Permit received November 17, 1987.
 Date of return to applicant for correction, amendments or changes required October 6, 1987.
 Date of receipt of corrected application Oct. 13, 1987. Approved March 3, 1988.

The Water Management Board approved this Water Permit No. 5160-3 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is September 25, 1987.
2. One-fifth of the work is ~~to be~~ completed ~~on or before~~ _____, 1987.
3. The whole of said work is ~~to be~~ completed ~~on or before~~ _____, 1987.
4. The time limit for proof of beneficial use of water is _____, 1987.
5. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
6. The amount of the appropriation herein granted shall not exceed 0.2 cubic feet per second; neither shall it exceed 2 acre feet per acre per year or one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation ~~on or before~~ _____, 1987. The water is to be used during the following described annual period: Apr 1 - Oct 31

WATER MANAGEMENT BOARD

By: John Hatch

Chief Engineer

Division of Water Rights
 Dept. of Water and Natural Resources

APR 28 1988

Qualifications for Water Permit No. 5160-3 St. Michael Cemetery

1. 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.
2. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. Approval of this Permit authorizes well construction pursuant to the Variance No. 41 from Chapter 74:02:04, Well Construction Standards.

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 20" Depth 27'6"
- b) Casing Type plastic Diameter 8" Thickness class 160
- c) Screen Type slotted plastic Diameter 8" Thickness class 160
- d) Gravel Pack Thickness 6" Length of Gravel Pack 12'
- e) Depth to Top of Water Bearing Material 12'
- f) Depth to Water (ground surface to water level) 12'
- g) Distance to nearest existing domestic well:
- On applicants property 500' East On property owned by others city water

2. Dugout Information Estimates

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

3. Water Storage Dams

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

- a) If a private engineering firm or government agency was involved in the design of this dam please give their name and address

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____
If Pipe, diameter _____

f) Secondary Spillway Capacity _____
Spillway width _____

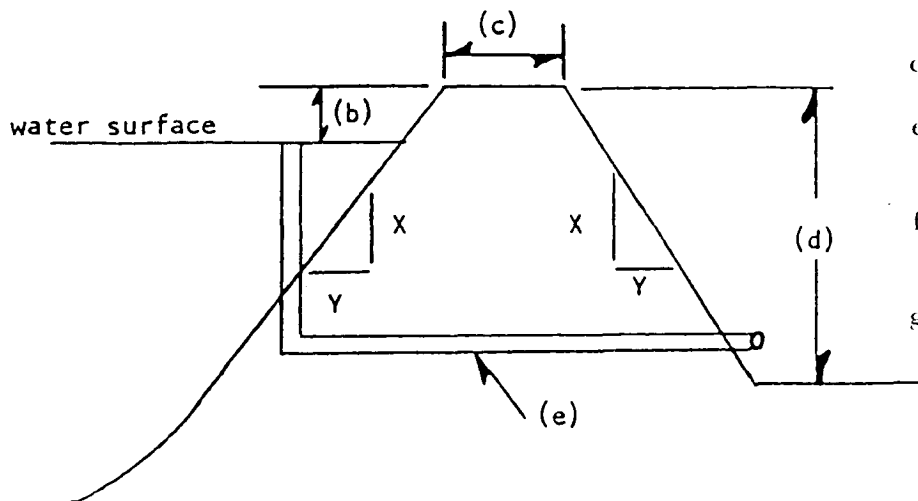
g) X & Y Slope
Upstream _____

Downstream _____

Surface Area of Impoundment _____

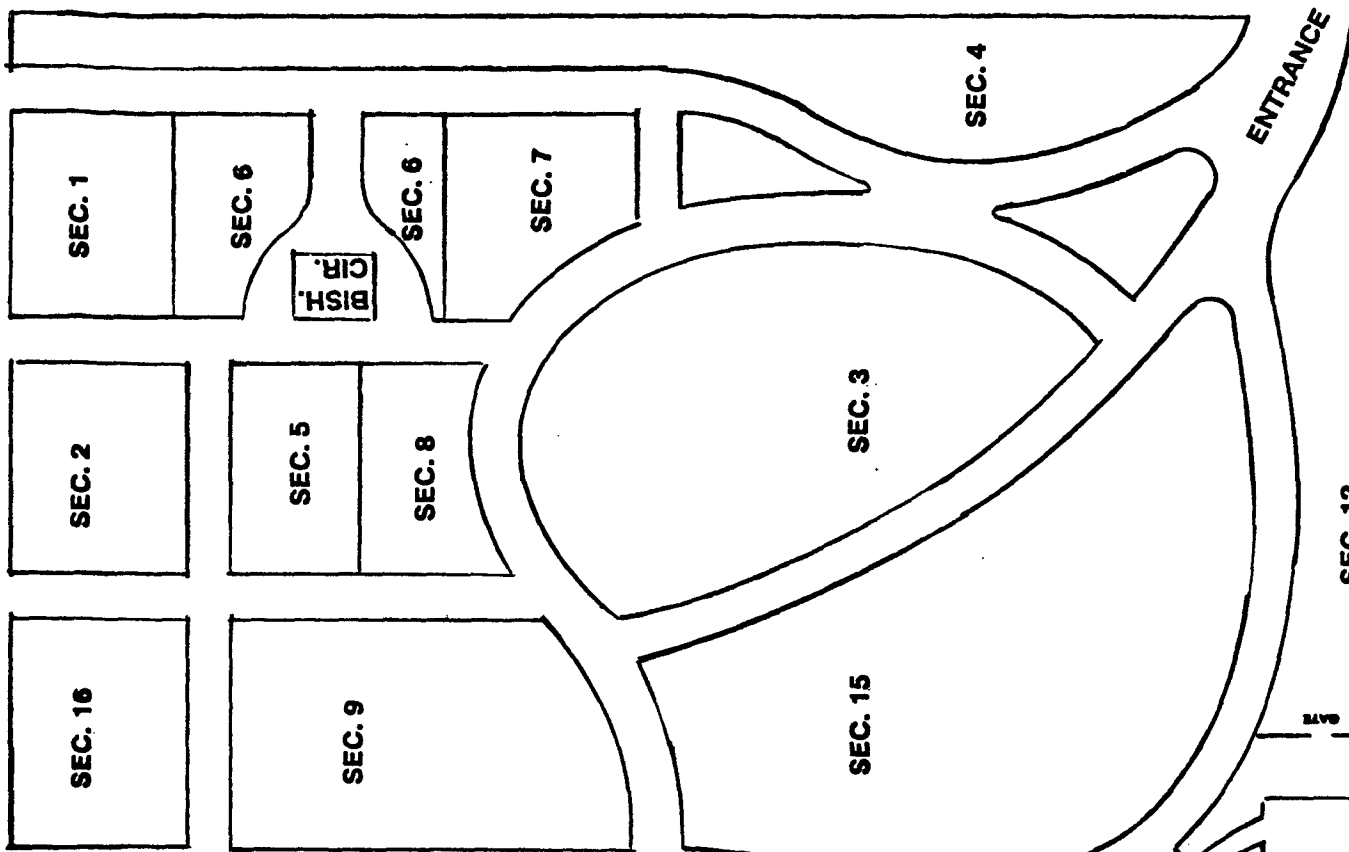
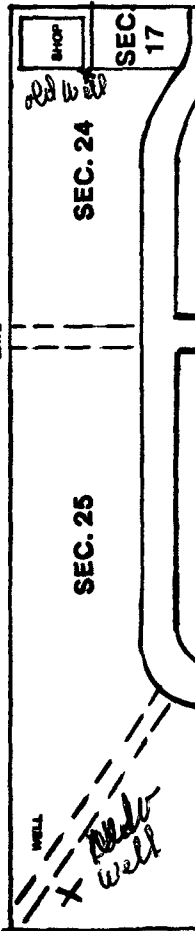
Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____

NORTH
GATE



ENTRANCE

SEC. 12

SEC. 28

SEC. 27



SAINT MICHAELS CEMETERY

A. 516000

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

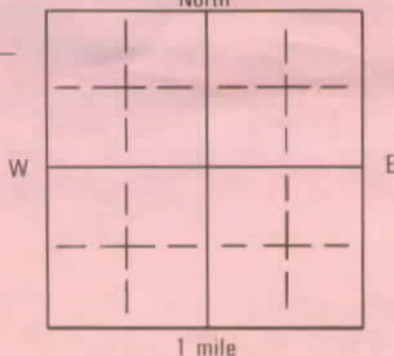
Location NE 1/4 Sec 4 Twp 10N Rg 49W

County

North

Minnehaha

Please mark well location with an "X"

Well Completion Date 9-22-87

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	<u>8"</u> IN	<u>0</u> FT	<u>27'6"</u> 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? 7' to 12' FEETWhat is grouting material? Bucket

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☐ ManufacturedDiameter 8" IN Length 5' FEETMaterial slotted plastic

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☐ YES ☐ NOExplain Monarch 2000/1000Bacteriological analysis ☐ YES ☐ NOLaboratory sent to Bowling

Well Owner:

Name

St Michael Cemetery

Address

1301 East 9th St, Sioux Falls, SD

Well Log:

Depth

571.3

Formation

From

To

<u>Black topsoil</u>	<u>0</u>	<u>4</u>
<u>Sandy clay</u>	<u>4</u>	<u>7</u>
<u>Coarse Gravel</u>	<u>7</u>	<u>15</u>
<u>Fine sand</u>	<u>15</u>	<u>17</u>
<u>Coarse Sand Gravel</u>	<u>17</u>	<u>27'6"</u>
<u>clay</u>	<u>27'</u>	

STATIC WATER LEVEL 12' 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

<u>12'</u>	ft.	After <u>6</u>	Hrs.	pumped <u>50</u>	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

Long Well Drilling

Signature of License Representative:

James J. Lacey

Signature of Well Owner:

James J. Lacey

Date

9-22-87

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411007

Pierre, October 13, 1987

RECEIVED OF St. Michael Cemetery, 1301 E. Austin, Sioux Falls, SD 57103

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

Fee for Application for Permit No. <u>5160-3</u> to Appropriate Water, to construct works 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 Certified Copy of		
Fee for Print Copy of Map		
Fee for Certifying		
Fee for _____		
(Any Other Work Provided by Law)	Total	150 00

By

Chief Engineer

John Hatch
JOHN HATCH



Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation

Office Use Only

WR#

OWNERS NAME: St. Michaels Cemetary OWNERS ADDRESS: 1300 East Austin

COUNTY LAND LOCATED IN: Minnehaha PHONE: Sioux Falls, SD 57103

LEGAL DESCRIPTION: NE 1/4 SE 1/4 4-101-49 ☒ Well ☐ Surface
1. LOCATION _____
Depth _____

Legal Description	Acres	Legal Description	Acres
NE 1/4 SE 1/4 4-101-49	40		

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT ☒ GUN: _____ OTHER: ☒ (Specify) Garden Hose
3. CROPS TO BE IRRIGATED: _____

WATER QUALITY:	
4. WATER SAMPLE NUMBER: <u>87-1093</u>	7. ADJUSTED (SAR): <u>0.75</u>
5. SALINITY (EC X 10 ⁶): <u>950</u>	8. PERCENT SODIUM: <u>5.67</u>
6. SODIUM (SAR): <u>0.29</u>	

Requirements:



Tah M. Field
Director, Division of Conservation

☒ APPROVED ☐ REQUIREMENTS
☐ DISAPPROVED
☐ WAIVER

Soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

Date 11-12-87



Department of Water & Natural Resources

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

October 6, 1987

James Steffensmin, Superintendent
St. Michael Cemetery
1301 East Austin
Sioux Falls SD 57103

Dear Mr. Steffensmin:

This letter is in response to the water permit application for St. Michael Cemetery received on September 25, 1987. The following information is needed to complete the permit application:

1. The 40 acre irrigated area is outlined in red on the enclosed map. The well location needs to be marked with an "X" and the map needs to be signed according to instructions on the enclosed instruction sheet.
2. An application fee of \$150.00 is needed as specified on the instruction sheet.
3. The amount of water claimed on the application is 0.2 cfs (90 gpm). Based on irrigation of 40 acres you can claim 0.57 cfs (257 gpm), if you so desire. Please indicate if you would like to increase the amount of water claimed to 0.57 cfs or leave the amount at 0.2 cfs.

Please complete the map and return the map with the \$150.00 application fee. I will also change the amount of water claimed if you indicate to do so. The information is needed before the application can be processed. Contact us if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ron Duvall".

RON DUVAL
Natural Resources Engineer
605 773-3352

enclosure

ST. MICHAEL CEMETERY

1301 East Austin
SIOUX FALLS, SOUTH DAKOTA 57103

338-3376

October 9, 1987



Mr. Ron Duvall
Natural Resources Engineer
S.D. Dept. of Water & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, S.D. 57501-3181

Dear Mr. Duvall:

I am enclosing a check for \$150.00 for the application fee.

I have talked with Jim Lacey of Lacey Well Drilling and he advised us that 90 gpm is sufficient for our water needs. We will not ask your department for more.

I took the map to Schmitz, Kalda & Associates to complete the enclosed map. They have done all our surveying at the cemetery.

Thank you,

ST. MICHAEL CEMETERY

James J. Steffensmeier
James J. Steffensmeier
Superintendent

JJS/et
Enc.

Report on Permit Application No.5160-3
St. Michael Cemetery
December 7, 1987

Water permit application No.5160-3 proposes to appropriate 0.20 cubic feet of water per second from one well 27 feet deep to irrigate 40 acres. The well and acreage to be irrigated are located in the NE1/4 SE1/4 Sec. 4, T101N-R49W.

Aquifer: Big Sioux-South

Geology and Aquifer Characteristics:

The Big Sioux Aquifer is an alluvium mantled, late Wisconsin Aged outwash, composed of sand and gravel of glacio-fluvial origin, with minor amounts of silt and clay. The South Management unit of the Big Sioux Aquifer underlies approximately 17,200 acres of Minnehaha County and contains an estimated 20,640 acre-feet of recoverable water in storage in the county (Hedges, 1982). The well log submitted with this application indicates the aquifer is approximately 20 feet thick at this site. The aquifer is under water table conditions and the static water level is reported to be 12 feet below land surface in this well. Transmissivity values for the Big Sioux aquifer range from 20,000 - 42,000 ft²/day and the specific yield of the aquifer ranges from 0.10 to 0.17.

Recharge to the Big Sioux Aquifer is through infiltration of precipitation falling directly on the surface of the Aquifer, runoff from adjacent areas onto the surface of the aquifer, and infiltration from the Big Sioux River when the water level of the aquifer is lower than the stage elevation of the Big Sioux River. A recharge rate of 6.9 inches per year was derived by computer simulation for steady state conditions (Koch, 1982). This estimate represents a recharge rate somewhat independent of the leakage from the Big Sioux River. The Big Sioux-South aquifer is probably utilized more extensively than the "average annual recharge" rate. However, the difference between the "average annual recharge" rate and annual withdrawals from the aquifer is made up through recharge from streamflow from the Big Sioux River.

The Division of Water Rights monitors 10 observation wells in the Big Sioux - South Aquifer. Observation well Ma-80AA is located approximately two miles from this application. Water level measurements indicate the water table fluctuates seasonally in response to recharge events. The observation wells give no indication of a decline of the potentiometric surface of the Big Sioux-South Aquifer (hydrograph included for Ma-80AA).

Review of Existing Water Rights

The "1986 Irrigation Report" indicates 33.70 acre-feet was pumped from The Big Sioux-South Aquifer in Minnehaha County for irrigation (Division of Water Rights, 1987). The primary appropriation from the Big Sioux-South is for municipal use by the City of Sioux Falls. There are 39 existing Water Permits within two miles of this proposed appropriation. 31 of these permits are for the City of Sioux Falls, and 15 of these are for the city's well field located in Sec. 5, T101N-R49W. The nearest city well is located approximately 500 feet from the applicant's well.

The Division of Water Rights has Record of several existing domestic wells within approximately 2 miles of the applicant's well.

Conclusions

1. The Big Sioux-South Aquifer is a viable aquifer, and water is available for appropriation.
2. Interference is likely to occur between this well and nearby wells, especially during a drought year when water levels in the aquifer are already below average. The effect of withdrawals may cause only a few feet of drawdown in any other wells. It is our opinion that these wells can co-exist without causing adverse effects. Should a problem arise, the Division of Water Rights will investigate the concerns. This permit should be qualified with the standard well interference clause.
3. The Big Sioux-South Aquifer and the Big Sioux River are hydraulically connected and recharge from streamflow from the river theoretically increases with increased withdrawals from the aquifer.
4. This well was constructed in accordance with Well Construction Variance No. 41 issued by the Chief Engineer, September 14, 1987.



Kent Buhler
Natural Resources Engineer

N= 55

SAS

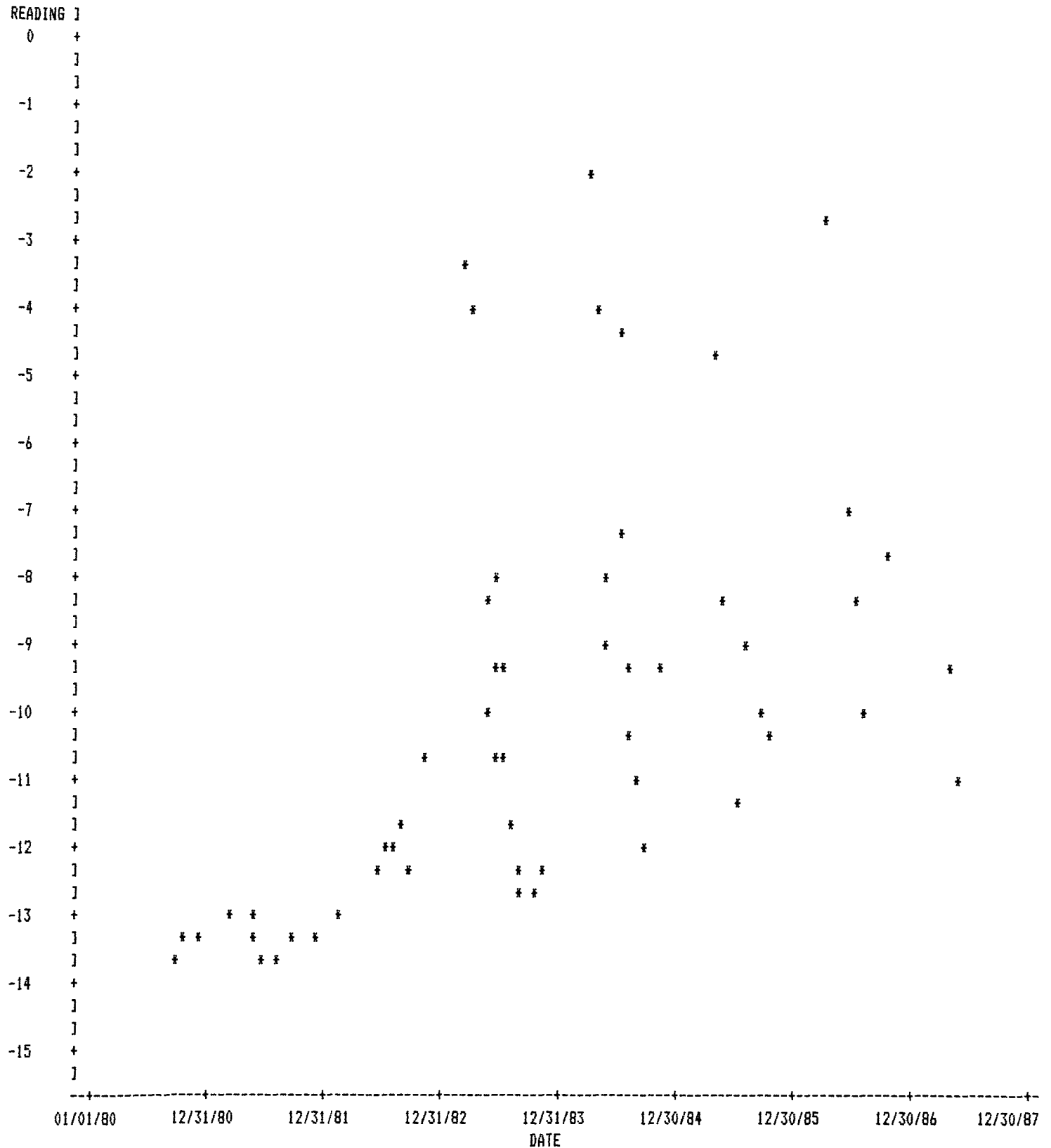
11:23 TUESDAY, JANUARY 19, 1988 2

11:23 TUESDAY, JANUARY 19, 1988 1					
OBS	LOCATION	SAS OBS_WELL	DATE	NEG	READING
1	101N-49W-11BACB	MA-80AA	09/16/80	X	-13.8
2	101N-49W-11BACB	MA-80AA	10/22/80	X	-13.4
3	101N-49W-11BACB	MA-80AA	12/10/80	X	-13.2
4	101N-49W-11BACB	MA-80AA	03/11/81	X	-12.9
5	101N-49W-11BACB	MA-80AA	05/21/81	X	-13.1
6	101N-49W-11BACB	MA-80AA	06/03/81	X	-13.4
7	101N-49W-11BACB	MA-80AA	07/01/81	X	-13.6
8	101N-49W-11BACB	MA-80AA	07/29/81	X	-13.8
9	101N-49W-11BACB	MA-80AA	09/29/81	X	-13.5
10	101N-49W-11BACB	MA-80AA	11/30/81	X	-13.2
11	101N-49W-11BACB	MA-80AA	02/21/82	X	-13.0
12	101N-49W-11BACB	MA-80AA	06/14/82	X	-12.2
13	101N-49W-11BACB	MA-80AA	07/12/82	X	-12.1
14	101N-49W-11BACB	MA-80AA	08/09/82	X	-12.0
15	101N-49W-11BACB	MA-80AA	09/08/82	X	-11.8
16	101N-49W-11BACB	MA-80AA	10/05/82	X	-12.3
17	101N-49W-11BACB	MA-80AA	11/02/82	X	-10.7
18	101N-49W-11BACB	MA-80AA	03/02/83	X	-3.3
19	101N-49W-11BACB	MA-80AA	04/18/83	X	-3.9
20	101N-49W-11BACB	MA-80AA	05/17/83	X	-8.5
21	101N-49W-11BACB	MA-80AA	05/30/83	X	-9.9
22	101N-49W-11BACB	MA-80AA	06/13/83	X	-10.7
23	101N-49W-11BACB	MA-80AA	06/26/83	X	-9.3
24	101N-49W-11BACB	MA-80AA	06/30/83	X	-8.1
25	101N-49W-11BACB	MA-80AA	07/12/83	X	-9.5
26	101N-49W-11BACB	MA-80AA	07/24/83	X	-10.7
27	101N-49W-11BACB	MA-80AA	08/08/83	X	-11.7
28	101N-49W-11BACB	MA-80AA	08/20/83	X	-12.3
29	101N-49W-11BACB	MA-80AA	09/12/83	X	-12.6
30	101N-49W-11BACB	MA-80AA	10/18/83	X	-12.6
31	101N-49W-11BACB	MA-80AA	11/15/83	X	-12.4
32	101N-49W-11BACB	MA-80AA	04/09/84	X	-1.9
33	101N-49W-11BACB	MA-80AA	05/08/84	X	-3.9
34	101N-49W-11BACB	MA-80AA	05/23/84	X	-7.9
35	101N-49W-11BACB	MA-80AA	06/05/84	X	-9.0
36	101N-49W-11BACB	MA-80AA	07/03/84	X	-4.2
37	101N-49W-11BACB	MA-80AA	07/18/84	X	-7.4
38	101N-49W-11BACB	MA-80AA	07/31/84	X	-9.3
39	101N-49W-11BACB	MA-80AA	08/14/84	X	-10.2
40	101N-49W-11BACB	MA-80AA	08/28/84	X	-10.9
41	101N-49W-11BACB	MA-80AA	10/03/84	X	-11.9
42	101N-49W-11BACB	MA-80AA	11/06/84	X	-9.5
43	101N-49W-11BACB	MA-80AA	04/29/85	X	-4.8
44	101N-49W-11BACB	MA-80AA	06/05/85	X	-8.3
45	101N-49W-11BACB	MA-80AA	07/05/85	X	-11.4
46	101N-49W-11BACB	MA-80AA	08/01/85	X	-8.9
47	101N-49W-11BACB	MA-80AA	09/17/85	X	-9.9
48	101N-49W-11BACB	MA-80AA	10/22/85	X	-10.2
49	101N-49W-11BACB	MA-80AA	04/03/86	X	-2.6
50	101N-49W-11BACB	MA-80AA	06/10/86	X	-7.0
51	101N-49W-11BACB	MA-80AA	07/09/86	X	-8.3
52	101N-49W-11BACB	MA-80AA	08/13/86	X	-10.1
53	101N-49W-11BACB	MA-80AA	10/21/86	X	-7.8
54	101N-49W-11BACB	MA-80AA	05/05/87	X	-9.5
55	101N-49W-11BACB	MA-80AA	06/03/87	X	-10.9

References

- Hedges, L.S., S. Burch, D. Iles, R. Barrari, R. Schoon; 1982, Evaluation of Groundwater Resources, Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, US Army Corps of Engineers contract DACW 45-80-C-0185, SD DWNR-Office of Geological Survey, Vermillion, South Dakota
- Koch, N.C., 1982, A Digital-Computer Model of the Big Sioux Aquifer in Minnehaha County, South Dakota, USGS, Water Resources investigation 82-4064, Huron, SD, 57350
- Division of Water Rights, 1987, Observation Well, Domestic Well, and Water Permit Files, DWNR-Division of Water Rights, Joe Foss Building, Pierre, SD
- Division of Water Rights, 1987, 1986 Irrigation Report, DWNR-Division of Water Rights, Joe Foss Building, Pierre SD

PLOT OF READING*DATE SYMBOL USED IS *



UQS0009 - END OF DATA SET

A>

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5160-3, St. Michael Cemetery

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 5160-3, St. Michael Cemetery, 1301 East Austin, Sioux Falls SD.

The Chief Engineer is recommending APPROVAL of Application No. 5160-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The well 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. This permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. Approval of this Permit authorizes well construction pursuant to Variance No. 41 from Chapter 74:02:04, Well Construction Standards.

See the attached report for additional information.


JOHN HATCH, Chief Engineer
December 8, 1987

No. **5160-3**

Instruction to Newspaper - Publish first publication of the following Notice on or before **February 3, 1988** with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. **5160-3** to Appropriate Water
and/or to Amend Water Permit or Water Right No. _____

Notice is hereby given that **St. Michael Cemetery** whose mailing address is **1301 East Austin, Sioux Falls**, South Dakota has made an application for a permit to appropriate 0.2 cubic feet of water per second from one well (Big Sioux-South) 27 feet deep to irrigate 40 acres. The well and acreage to be irrigated are located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4-T101N-R49W.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends

APPROVAL of Application No. **5160-3** because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at **room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, March 2** 19**88** at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by **February 19, 1988**. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2 46-5-30.4, 46-5-31; ~~(ground) 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; (future use) 46-5-38 thru 46-5-40, (transfer lands) 46-5-30.4, 46-5-33 thru 46-5-35, (10,000 AFA) 46-5-20.1, 46-5-8.1, and Board Rules ARSD 74:02:01:01 thru 74:02:01:15, (future use) 74:02:01:24 thru 74:02:01:25, (10,000 AFA) 74:02:01:15.02 thru 74:02:01:15.05.~~

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, 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 the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by **February 19, 1988**.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss.

I, M. Devish hereby

certify that the annexed printed copy of Notice of Intent to Appropriate

Water was taken from the Argus Leader

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

City of Sioux Falls

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

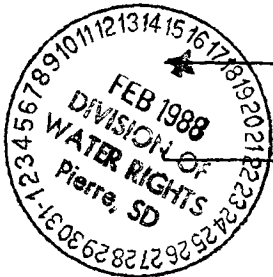
February 4, 1988

February 11, 1988

M. Devish
(Signature)

Controller
(Title)

2/11/88
(Date Signed)



Cost of Printing: \$74.80

NOTICE OF HEARING
on Application No. 5160-3
to Appropriate Water

Notice is hereby given that St. Michael Cemetery whose mailing address is 3001 N. Cliff Ave., SD 57104, South Dakota has made an application for a permit to appropriate 0.2 cubic feet of water per second from one well (Big Sioux-South) 27 feet deep to irrigate 40 acres. The well and acreage to be irrigated are located in the NE 1/4 SE 1/4 Section 4-T101N-R49W.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5160-3 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, March 2, 1988 at 10:00am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by February 19, 1988. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15, 46-2-3-1, 46-2-9, 46-2-11, 46-2-13, 46-2-17, 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30-2, 46-5-30-4, 46-5-31, 46-6-3, 46-6-3-1, 46-6-6-1, 46-6-10, 46-6-13, 46-6-14, and Board Rules ARSD 74:02:01.01 thru 74:02:01.15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, 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 the State Supreme Court as provided by law.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWRN, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by February 19, 1988.

538 Feb. 4 & 11, 1988



Department of Water & Natural Resources

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

Water Rights Division
605 773-3352

APR 28 1988

James Steffensmeier, Superintendent
St. Michael Cemetery
3001 N. Cliff Avenue
Sioux Falls, South Dakota 57104

Dear Mr. Steffensmeier:

Enclosed is your Water Permit No. 5160-3 as approved by the Water Management Board authorizing the water diversion system and apply the water to beneficial use, not exceeding the limits as specified in the Water Permit.

We will schedule an inspection so that the Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in black ink that reads "John Hatch". The signature is written in a cursive, flowing style.

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ms

enclosure

ST. MICHAEL CEMETERY

3001 North Cliff Ave.
SIOUX FALLS, SOUTH DAKOTA 57104
338-3376

November 15, 1988



South Dakota Dept. of Water & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, S.D. 57501-3181

Gentlemen,

In regards to your letter and irrigation questionnaire.

I talked to Jenny from your office on November 15, 1988, and told her our situation and water useage. She felt we should include a letter.

We use the water at St. Michael Cemetery for our office and shop use, which is probably very minimal amount used.

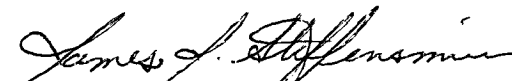
We do not irrigate. We do have hydrants available for people to use to water their flowers, urns or graves as individuals.

We do use water as needed for our young trees as needed.

If you need any more information, I'll be happy to supply it.

Thank you,

St. Michael Cemetery


James J. Steffensmeier,
Superintendent

JJS/et

Conversation or File Documentation

NAME:

Permit No. 5160-3

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 St. Michaels Cemetery of 3001 N. Cliff Ave., Sioux Falls, SD 57104 holder of Permit No. 5160-3, bearing the priority of September 25, 1987 authorizing the diversion of 0.2 cu. ft. per second of the waters of Big Sioux Aquifer-South Unit for flower, tree and grave watering purposes, in Minnehaha County.

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

A. Works used to divert the water:

One well - 27.5' deep with 22.5' of 8" Plastic casing and 5' of Slotted Plastic screen, Grundfos submersible pump, Model No. SP4-10, 6", 20 GPM @ 30 PSI, 1 HP motor

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

1200' of 1" PVC pipe

C. Works used to apply water to beneficial use:

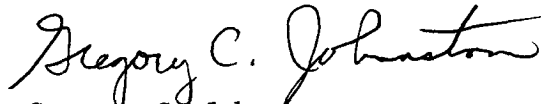
System consists of 24 hydrants distributed throughout the east half of the cemetery; garden hose and moveable sprinklers for fresh grave, flower and tree watering.

The system is in the following condition good. The point of diversion is located 2600'N and 1313'W of the SE corner of Section 4-T101N-R49W. The works are capable of diverting and conveying to the place of use 0.044 cu. ft. per second of water of water which is to be used for lawn, tree and flower watering. Water has been put to beneficial use.

The license should be issued for 0.044 cfs.

Applicable permit qualifications have been complied with ☒ Yes ☐ No

Exceptions to compliance are: None Date 5/22/92


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

File No. 5160-3

Water Rights Division -DENR

Conversation or File Documentation

NAME OF PERSON OR FILE: **St. Michael Cemetery**

ADDRESS: **3001 N. Cliff Sioux Falls, SD 57104**

COUNTY: **Minnehaha**

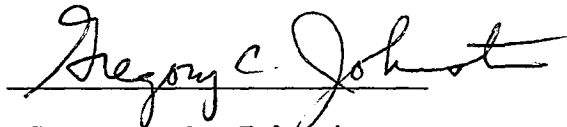
DATE: **6/25/92**

TELEPHONE: **338-3376**

RE: **Cancellation and reapplication for cemetery**

COMMENTS:

Water Permit No. 5160-3 is for 0.2 cfs for irrigation at St. Michael Cemetery in Sioux Falls., Upon inspection on May 22, 1992, I discovered that there was no irrigation. Instead, the water was used periodically for watering flowers, trees nad establishing grass on graves in the cemetery. Also, based on a letter submitted by Jim Steefensmeier on November 15, 1988, The water is being used for the shop and office. During the inspection, I also discovered a second well not included under Water Permit No. 5160-3. It is recommended that Water Permit No. 5160-3 be cancelled because of improper usage and that a new permit application, including the second well, be submitted for non-irrigation usage at the cemetery.



Gregory C. Johnston

Natural Resources Engineer

DENR, Water Rights Division



5160-3

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

OCT 15 1993

5681-3

James Steffensmeier
St. Michael Cemetery
3001 N. Cliff Ave.
Sioux Falls, SD 57104

Dear Mr. Steffensmeier:

Enclosed is Water License No. 5681-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413515 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5681-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

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

rd
enclosures

NOTE: The applicable portions of Water Permit No. 5160-3 have been incorporated into this Water License No. 5681-3.