

1. Considered MARCH 25 1981
2. Name of Applicant Missouri Basin Municipal Power Agency
3. Post Office Address 100 N Phillips, Ste, 700, Sioux Falls 57104
4. Amount of Water Claimed 0.4
5. Source of Water Supply ground - two 40' wells
6. Water to be used for Geothermal and 1.25 acres of lawn
7. Acres to be irrigated 1.25 ^{maximum} acre feet
8. Water to be diverted and used in Minnehaha County
about City Limits miles of
9. PROOF OF PUBLICATION Received (Not) Sept 30, 1981

APPLICATION

Not Received _____
 Approved 3/25/81
 Subject to of Re. W. T. ...
 Not Approved _____
 Action deferred _____

Priority 11-5-80 Date Received 11/5/80 Application Complete yes XX no FEE 150.00

Remarks _____

Date information and/or fee or corrected Application received _____
 Period of Annual use January 1st thru December 31st

WATER
QUALITY

Received yes 2/12/81 no APPROVED CONDITIONAL (Circle one)

WI-1 Description same as application yes X no Remarks _____

Disapproved _____

Returned _____

Diversion Point _____

two wells in SW 1/4 NW 1/4 7-101-49

Lands to be irrigated _____

SW 1/4 NW 1/4 7-101-49

Remarks _____

WELL
LOG

MAP Map No. 3837-3 Map located in Water Right XX Map file _____
 Type of Map plat Rixtexz Prepared by PE De Wit

+++++

REVIEWED This Application was reviewed within 30 days of date received, accepted as complete, Number assigned and written up for advertisement before the Board on _____

 (Signed)

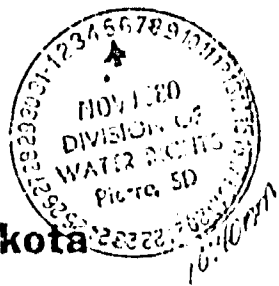
+++++

PROTESTS Letters/Petitions in File - yes _____ no _____ Remarks _____

REMARKS Date
 F.F. & C Final Decision, including F.F. & C of Law were adopted _____
 OF LAW, Date
 FINAL Final Decision mailed to parties and/or parties notified that Final Decision
 DECISIONS
 ETC. was adopted _____

Remarks _____



No. 4620-3Map No. 3837-3 Water Division No. 3 Big Sioux District
Above for Office Use 10 70203

APPLICATION FOR PERMIT To Appropriate Water within the State of South Dakota

Check one of the following:

New ☒ Vested Right _____ Future Use _____

Change in Diversion _____ Additional Diversion _____

Change in Acreage _____ Additional Acreage _____

1. Name of Applicant Missouri Basin Municipal Power Agency Phone No. (603) 338-4042
 Post Office Address 100 N. Phillips, Ste. 700, Sioux Falls State South Dakota 57104
 (Street, RR, or Box) (Town) (Zip Code)
 If a corporation show date and place of incorporation _____

2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract3. Name of diversion work Missouri Basin Office Building4. Amount of water claimed (cubic feet per second) 0.4 cfs total withdrawal - 0.1 consumptive use5. Source of water supply two wells6. Location of point of diversion SW $\frac{1}{4}$ of NW $\frac{1}{4}$ of Section 7, T101N, R49W of the fifth P.M.County Minnehaha7. Annual period or periods during which water is to be used January 1 thru December 318. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Commercial (heat pump)9. For irrigation use, (occasional-secondary use) Total number of acres to be irrigated 1.25 acres of lawn
at 50 gpm.

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>SW$\frac{1}{4}$ NW$\frac{1}{4}$ SEC. 7 - T101N-R49W</u>	<u>1.25</u>

Land Description	No. Acres Irr.

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 0.67 / years. Additional time required to complete application of water to the proposed beneficial use 0.00 years.11. Choice of county newspaper for publication of Notice of Intent to Appropriate Water Sioux Falls Arcus Leader

12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Two water supply-injection wells

B. Works proposed to transport water to place of use.

Class 160 PVC piping and fittings

C. Works proposed to apply water to beneficial use.

The water will serve as a source of heat in the winter for a geothermal heat pump building heating system and as heat pump cooling water in the summer. Whenever the lawn requires watering during the summer, a 50 gpm pump diverts that quantity of water to a lawn sprinkling system

Estimated Total Cost \$ 628,694.50

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map. (see instructions concerning preparation.)

SOUTH DAKOTA)
) ss.
 County of Minnehaha)

I, Russell Dau the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed Russell DauSubscribed and sworn to before me this 10 day of December, 1980

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Management Board hereby approves Water Right Application No. 4620-3
 Missouri Basin Municipal Power Agency 100 N Phillips, Ste. 700, Sioux Falls
 South Dakota (Applicant) 57104 (Post Office Address)
 (State) With the following qualifications.

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 wells having prior water rights.

Date of first receipt of application NOVEMBER 5, 1980
 Date of return to applicant for correction, amendments or changes required 1, 1981
 Date of receipt of corrected application AFFIDAVIT OF PUBLICATION - SEPTEMBER 30, 1981
 Approved MARCH 25, 1981, Recorded in Book 22 Page 280

WATER RIGHT PERMIT NO. 4620-3

The Water Management Board hereby grants and issues this Water Right Permit No. 4620-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as qualified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is SEPTEMBER 30, 1981
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 30, 1981
3. The whole of said work is to be completed on or before MARCH 25, 1982
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 25, 1982
5. The water appropriated shall be used for the purpose of IRRIGATION & GEOTHERMAL HEATING

6. 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 injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed .4 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for irrigation purposes said appropriation must be limited to not more than 2 acre feet per acre per year and be limited to not more than 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 MARCH 25, 1982, said water to be used during the following described annual period: CONTINUOUSLY

Witness my hand this 30th day of SEPTEMBER, 1981

THE WATER MANAGEMENT BOARD

By: John Hatch
 Chief Engineer, Water Rights

Certificate of Construction Issued _____, 19____

Water License Issued _____, 19____

IRRIGATION SUPPLIES

- Berkeley Pumps
- E-Z Rain Machines
- Aluminum or Plastic Pipe
- Nelson Volume Guns
- Traveling Gun Hose
- Hygromatic Center Pivot
- Deep Well Turbine Pumps
- Hot Vulcanized Hose Repair
- Gravel Packed Irrigation Wells
- Test Boring

RECEIVED OCT 24 1980
H. LACEY & SONS

Box 796

TRENT, SOUTH DAKOTA 57065

Phone (605) 428-5696 Ed (605) 428-5979 Jim

10-20-80

Test hole log. for new

Missouri Basin Power Bldg

0-1 Topsoil

1-15 CLEAN YELLOW SAND sand 14-16'

15-30 COARSE GRAVEL

30-35 SAND

35-40 COARSE GRAVEL

40 Red rock

by
Jim Lacey
SD # 111

Ed H. LACEY & Sons

D. Well Information

- (1) Drill Hole, Diameter 16 inches, Depth 40 feet
- (2) Casing, Type black steel, Diameter 8 inches, Thickness 0.322 inches
(wood, concrete, steel, etc.)
- (3) Screen, Type Stainless steel, Diameter 8 inches, Length 15 feet
- (4) Gravel Pack, Thickness 4 inches, Length of gravel pack 25 feet

E. Dugout Information or Estimates

- (1) Surface dimensions, _____, Depth _____

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Attach a copy of test well log)

Depth to top of water bearing material 15 feet

Depth to bottom of water bearing material 40 feet

Depth to water (ground surface to water level) 15 feet

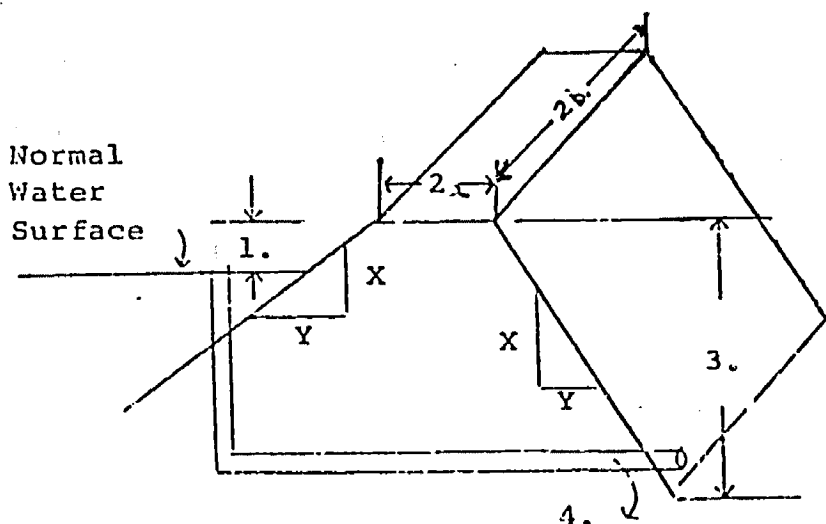
- (2) Distance to nearest existing household or livestock watering well.

On same owner's property None rds.

On property owned by others 500 feet ~~X~~

G Water Storage Dams

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, length, maximum water depth, surface area, drainage area, storage capacity, dam slope, dimensions, location and size of outlet works, of each storage dam. The location of each water storage dam should be shown on the water right map.



1. Freeboard _____
- 2a Crest width _____ b length _____
3. Height of Dam _____
4. Outlet dimensions:
 - Pipe diameter _____
 - Spillway width _____
- X & Y slope:
 - Upstream _____
 - Downstream _____
- Surface area of impoundment _____
- Drainage area above dam _____

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM
STATE CONSERVATION COMMISSION
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

OWNERS NAME: MINNESOTA BASIN POWER OWNERS ADDRESS: 1001 E. 10th St.
Sioux Falls, SD
COUNTY LAND LOCATED IN: Minnehaha PHONE: 328-4094
TENANT'S NAME AND ADDRESS: (If Other Than Owner) _____

In accordance with State Law SDCL 46-5-6.5, if a water permit is granted with a conditional Soil/Water Compatibility permit, a copy of such conditional soil/water compatibility permit must be filed with the County Register of Deeds. This action must be taken by the holder of a water permit within 6 months of receipt of such water permit.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres)

1. WELL LOCATION OR DIVERSION POINT: NW 1/4 of Section 7-101-40
2. SURFACE WATER SOURCE: N/S
3. LOCATION OF AREA TO BE IRRIGATED. NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

Legal Description	Acres	Legal Description	Acres
SW 1/4 of the NW 1/4 Sec. 7-101-40	1.5		

4. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: _____ GUN: _____ OTHER: Drinklers
5. CROPS TO BE IRRIGATED: Blue grass
6. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: _____
LEGAL DESCRIPTION: _____
IN WHAT NAME: _____

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 90-1041
8. SALINITY (EC X 10⁶): 258
9. SODIUM (SAR): 0.35
10. ADJUSTED (SAR): 0.25

RECEIVED

FEB 06 1981

South Dakota
Division of Conservation

I hereby certify that I personally obtained or that I personally observed the taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at _____ a.m./p.m., on _____, 19____, at the following location: _____ by _____ (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

I understand that the Division of Conservation or agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

14th DAY OF February, 1981.

(NOTARY PUBLIC)

IMPORTANT

Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER PERMIT must be obtained from the Board of Water Management.

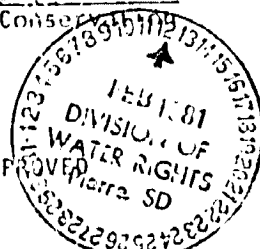
APPLICANT'S SIGNATURE

Director, Division of Conservation

☒ APPROVED

☐ DISAPPROVED

☐ CONDITIONALLY APPROVED



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7774

PIERRE, November 5, 1980

RECEIVED OF Missouri Basin Municipal Power Agency, 100 N. Phillips, Ste 700
the following amount in fees for services rendered as provided for by law: Sioux Falls, SD 57104

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)	150	00
Fee for Inspecting Construction, and Issuing Cert. of Construction No.		
Fee for Inspecting Beneficial Use, and Issuing Water License No.		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filling		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	150	00

WATER RIGHTS COMMISSION

By *(Signature)*
Chief Engineer, Executive Officer
JOHN HATCH / *(Signature)*

Form 8 - Proof of Publication - Notice of
Intent to Appropriate Water

No. 4620-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Minnehaha) ss.

I, David F. Licko hereby

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

Water was taken from the Argus Leader

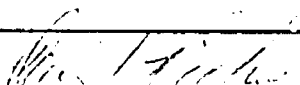
A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

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 26 , 1981

March 5, 1981


(Signature)

Controller
(Title)

September 29, 1981
(Date Signed)

Cost of Print'ng: _____

11" @ \$3.61/inch = \$39.71

WNR-308-7/79
Proof of Publication

NOTICE OF HEARING ON
APPLICATION TO
APPROPRIATE WATER
Pierre, South Dakota 57501
February 13, 1981

Notice is hereby given that Missouri Basin Municipal Power Agency whose post office address is Sioux Falls, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 0.4 cubic feet of water per second of time from ground water (two wells) through the Missouri Basin Office Building, the point(s) of diversion of which are to be located in the SW1/4 NW1/4 of Section 7, Twp. 101N, Range 49W. Said water to be used for the purpose of providing irrigation portions of the following described land: SW1/4 NW1/4, Section 7, T101N, R49W and for a geothermal heat pump system.

This Application No. 4620-3 will be considered by the Water Management Board at the Holiday Inn, Sandpiper Room, Watertown, SD, upon the 25th day of March, 1981 at 1:00 P.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-24 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWR, Joe Loss Building, Pierre, SD, prior to the hearing date for assistance to insure access to the hearing.

WATER MANAGEMENT BOARD
BETTY WESTLUND
Water Rights Specialist
Feb. 26 & March 5, 1981

485



No. 4620-3

Publish first publication, on or before February 27, 1981

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 13, 1981

Notice is hereby given that Missouri Basin Municipal Power Agency whose post office address is Sioux Falls, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 0.4 cubic feet of water per second of time from ground water (two wells) through the Missouri Basin Office / Building, the point(s) of diversion of which ~~is~~ (are) to be located in the SW 1/4 NW 1/4

of Section 7, Twp. 101N, Range 49W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW 1/4 NW 1/4, Section 7, T101N, R49W and for a geothermal heat pump system

This Application No. 4620-3 will be considered by the Water Management Board at the Holiday Inn, Sandy Shore Room, Watertown, SD upon the 25th day of March, 1981

at 1:00 P.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

Any handicapped person wishing to attend this hearing can contact the Water Rights Division, DWR, Joe Foss Building, Pierre SD, prior to the hearing date for assistance to assure access to the hearing.

WATER MANAGEMENT BOARD

cc: Missouri Basin Municipal Power Agency
100 Phillips, Ste 700
Sioux Falls, SD 57104

BETTY WESTLUND
Water Rights Specialist

WNR-806A-7/79 Notice of Intent to Appropriate Water
GROUNDWATER

TRANSMITTAL LETTER

Van De Walle and Associates
Architects and Planners AIA
Suite 311 101 South Main Avenue Sioux Falls, South Dakota 57102

PROJECT: Missouri Basin Office Building
Sioux Falls, SD

ARCHITECT'S
PROJECT NO: 8010

DATE: 2 February 1981

TO: Mr. John Hatch, Chief Engineer
Water Rights Division
SD Department and Natural Resources
Joe Foss Building
ATTN: Pierre, SD 57501

If enclosures are not as noted, please
inform us immediately.

If checked below, please:

- ☐ Acknowledge receipt of enclosures.
☐ Return enclosures to us.

WE TRANSMIT:

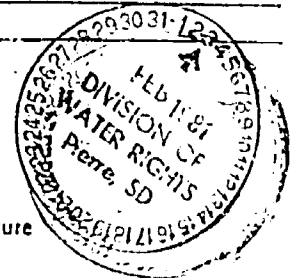
- ☒ herewith ☐ under separate cover via _____
☐ in accordance with your request _____

FOR YOUR:

- ☐ approval ☐ distribution to parties ☐ information
☐ review & comment ☐ record
☒ use ☐

THE FOLLOWING:

- ☒ Drawings ☐ Shop Drawing Prints ☐ Samples
☐ Specifications ☐ Shop Drawing Reproducibles ☐ Product Literature
☐ Change Order ☐ Pay Request



COPIES	DATE	REV. NO.	DESCRIPTION	ACTION CODE
1	Each		ME1, M1, M2, M3 and M4	

ACTION A. Action indicated on item transmitted
CODE B. No action required
C. For signature and return to this office

D. For signature and forwarding as noted below under REMARKS
E. See REMARKS below

REMARKS

COPIES TO:

(with enclosures)



Van De Walle and Associates

David Erickson

BY: David Erickson

ph

Sioux Falls (Northwest)

Map Of The City Of
Sioux Falls, S.D.
Office Of The City Engineer
Scale 1"=200' North Arrow
L.S. 2000'

Legend:
— Street
— Rail Road
— Water
— Sewer
— Gas
— Electric
— Telephone
— Cable
— Fire
— Police
— City Hall
— Court House
— City Jail
— City Prison
— City Hospital
— City School
— City Park
— City Cemetery
— City Bridge
— City Tunnel
— City Viaduct
— City Dam
— City Lock
— City Pier
— City Wharf
— City Dock
— City Quay
— City Basin
— City Harbor
— City Port
— City Canal
— City Lock
— City Pier
— City Wharf
— City Dock
— City Quay
— City Basin
— City Harbor
— City Port
— City Canal

Scale: 1"=200'

North Arrow

WEST 1/4 CORNER SEC. 7
T10N R47W

WELL NO. 1 - 493' N
255' E

WELL NO. 2 - 734' N
256' E

I hereby certify that this plan, specification or report
was prepared by me, or under my direct supervision, and
that I am a duly Registered Professional Engineer under
the laws of the state of SOUTH DAKOTA
By John A. Pitt
Registration No. 2917 Date 10-31-80

 100%
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By John A. Pitt
Registration No. 2917 Date 10-31-80

WEST 1/4 CORNER - SEC. 7	
T10N R47W	
WELL NO. 1 - 493'	N
255'	E
WELL NO. 2 - 754'	N
256'	E

Division of Water Rights (605) 773-3352

January 27, 1981

Russell Dau, Manager
Missouri Basin Municipal Power Agency
100 North Phillips, Suite 701
Box 984
Sioux Falls, South Dakota 57101

Mr. Dau:

This letter is in regard to the telephone conversation January 22, 1981. At that time, I stated the application by your agency to appropriate water for heating and cooling purposes and for irrigation of 1.25 acres was not advertised for the January meeting because of staff error in this office. We expect to advertise your application for the March 25-26, 1981 Water Management Board Meeting.

Following a review of your application, I noticed the required soil-water compatibility approval for irrigation has not been received from the Conservation Commission. I have contacted your engineer, John DeWit, and he is completing the necessary paperwork. Mr. DeWit should plan to attend the Board Meeting in Watertown in March.

The Staff recommendation to the Water Management Board will be to approve your application. I have personally visited with Sioux Falls Water Supply Officials concerning your application. They have indicated no opposition to the application. Since the quantity of water requested is not large, most of the water will be reinjected into the same aquifer and the cone of depression which will develop from pumping the water table aquifer is not expected to have an adverse affect upon any Sioux Falls municipal wells or any adequate domestic wells, there is no hydrologic reason not to approve the application.

Approval of the application would be subject to the following standard qualifications:

This Permit is approved with the qualification that complete plans and specifications for this project including the use of backflow preventers and piping, and the reinjection will be submitted for review and approval prior to construction. 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 wells having prior water rights.

January 27, 1931
Page 2

If Mr. DeWitt will provide a second set of plans and specifications, the first part of the above qualification could be completed prior to the March meeting and not be included in the Permit.

Please advise if there are any questions.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH/gy

cc: John DeWitt, DeWitt Grant & Rockert
Les Hash, Water Superintendent, City of Sioux Falls

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USEPost Office Sioux Falls, SDDate November 16, 1981

TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No. 4620-3.

Water Right Permit No. 4620-3 states that the diversion system is to be constructed by July, 1981, and that the water is put to beneficial use by July, 1981.

The diversion system was completed on August 22, 1981. Applying the water to beneficial use was completed on August 22, 1981.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

Russell Dau
(Signature)

Russell Dau, General Manager

Our New Address Is:

Missouri Basin Municipal Power Agency
3005 West Russell
Sioux Falls, South Dakota 57107

4620-3

October ²⁹ 24, 1991



Mr. Greg Johnston
Natural Resources Engineer
Division of Water Rights
Department of Environment & Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

3005 W. Russell
P.O. Box 4610
Sioux Falls, SD
57118-4610

GR 338 4042

Board of Directors

Harold Schepelut
Sioux Center, IA
President

Arthur G. Biden
Northwood, ND

Donald Habicht
Washington, MN

Thomas Heller
Booneville, MN

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Brookings, SD

David Padgett
Pierre, SD

Curt Punt
Wadena, MN

Brad Roos
Denison, IA

Greg Sherman
Detroit Lakes, MN

R.P. Swanson
Watertown, SD

Wm G. Tobin
Rock Rapids, IA

General Manager

Dan Holdhusen

RE: Your request for well and heat pump information.

Greg
Dear Mr. Johnston;

Enclosed is the information you requested by telephone. If it is not sufficient for your purposes, please contact me at your convenience.

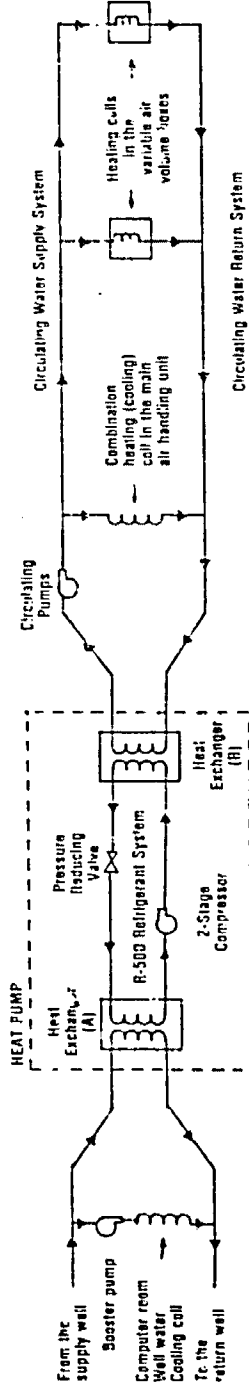
Sincerely;

Roy Stromsness
Personnel & Insurance Officer

WATER TO WATER HVAC SYSTEM SCHEMATIC DIAGRAM

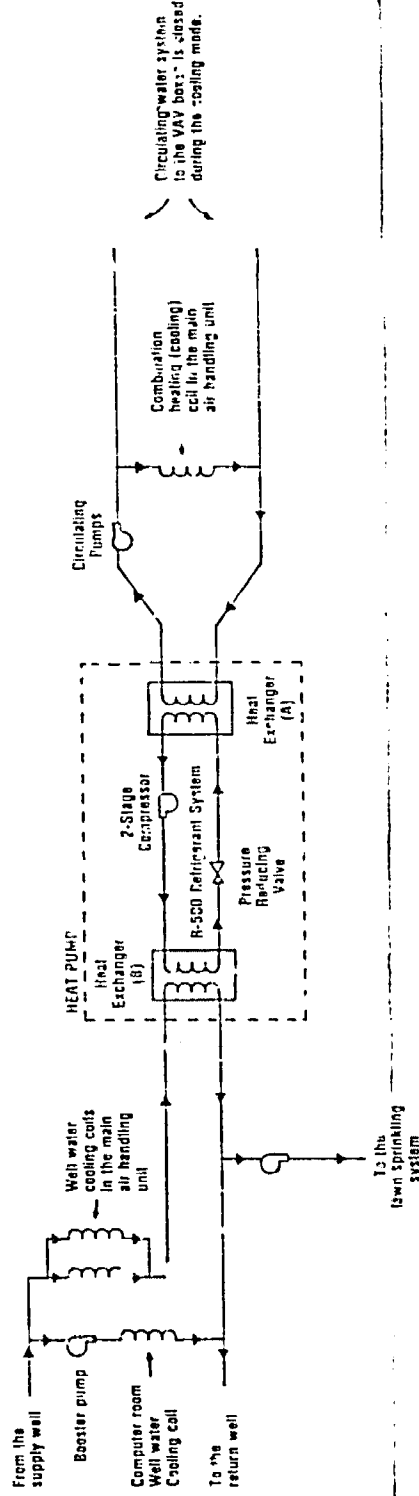
Heating Mode

(Primary heating is handled by the heat pump.)
(Secondary heating -- None)



Cooling Mode

(Primary cooling is handled by the well water cooling coils.
Secondary cooling is handled by the heat pump if required.)

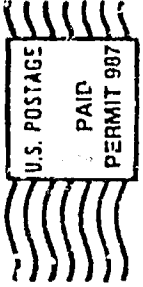


m
Missouri Basin
municipal power agency



MISSOURI BASIN

Reprint



MISSOURI BASIN HEADQUARTERS PROJECT HVAC SYSTEM



Missouri Basin
municipal power agency

Heat Pump

Heating Mode - Designed to extract 5° from the incoming well water. This heat is transferred from compressed Freon to the 3rd coil in the Air Handling Unit and the building circulating water system. This circulating system is maintained at a temperature of 90° - 120° depending on the heating requirements. Design Coefficient of Performance is 3.24.

Cooling Mode - Designed to supply 40° - 45° circulating system water to the 3rd coil in the Air Handling Unit. The Heat Pump is only used for cooling when the 1st and 2nd well water cooling coils cannot supply the required cooling capacity. Design Coefficient at Performance is 4.76.

Supply Well

Heating Mode - Supplies 50° - 55° well water at approximately 70 gpm to the heat pump.

Cooling Mode - Supplies 50° - 55° well water at approximately 70 gpm to the 1st and 2nd cooling coils in the air handling unit. Well water is also supplied to the heat pump for the supplemental cooling.

Return Well

Heating and Cooling Modes - Reinjects the well water into the aquifer.

Air Handling Unit

Heating Mode - Mixes outside air and return air to be supplied to the building. This air is preheating when it is passed over the 3rd coil. This preheating air is then discharged to the thermostat controlled variable air volume boxes in the building.

Cooling Mode - Mixes outside air and return air to be supplied to the building. This air is cooled when it is passed over the 1st and 2nd well water cooling coils and 3rd coil when required. This cooled air is then discharged to the thermostat controlled variable air volume boxes in the building.



Missouri Basin
municipal power agency

Circulating Water System

Heating Mode = A closed loop design hot water system to supply 90° - 120° water to the 3rd coil in the Air Handling Unit and the variable air volume boxes in the building.

Cooling Mode - A closed loop design cold water system to supply 40° - 45° water to the 3rd coil in the Air Handling Unit if supplemental cooling is required.

Variable Air Volume Boxes

Heating Mode - Takes preheated supply air from the Air Handling Unit and passes it over individual hot water circulating system coils to provide heating as thermostatically required in building zones.

Cooling Mode - Distributes the cooled air from the air handling unit to provide cooling as thermostatically required in building zones.

Electric Boiler

Heating Mode - Supplies emergency heating to prevent freezing in the event of Well System or Heat Pump failure.

Controls

Heating and Cooling Modes - All equipment is controlled by a Powers Control System to maximize energy efficiency. All equipment is automatically controlled to minimize manual operation and expenses.

This summary of the major equipment components and their function has been provided for your information by Missouri Basin Municipal Power Agency. For further information feel free to contact:

Missouri Basin Municipal Power Agency
3005 West Russell
Sioux Falls, South Dakota 57107
(605) 338-4042

- (5) Glacial clay seal from the top of the gravel pack to the ground surface.
- (6) Development of each well as specified.
- (7) Furnish and install removable well cap.
- (8) Proper abandonment of wells.

B. Scope of Work:

- 1. The Contractor shall furnish and install all equipment, materials, and labor required to construct the well. The major items of material to be furnished by the Contractor include:
 - a. Stainless steel screens and fittings.
 - b. Black steel casing and fittings.
 - c. Gravel packing media.
 - d. Sealing mixture.
 - e. Drilling water.

C. Screen and Fittings:

- 1. Production Wells:
 - a. Reference Standard: AISI Type No. 304, 18-8 stainless steel.
 - b. Minimum Wall Thickness: 7 gauge (3/16 inch).
 - c. Manufacturers:
 - (1) Johnson or Cook wire wound type, (standard or Hi Q) 8 inch inside diameter (I.D.) stainless steel screen with an outside diameter of 8.625 inches.
 - d. Bottom Plate: A 3/16 inch thick, 18-8 stainless steel plate shall be securely welded to the bottom of the screen for sealing the bottom of the well.
 - e. All sections and connections shall be welded together with full circumferential joints.

- B. Submit manufacturer's installation instructions for driver, pump and all component parts.
- C. Maintenance Instructions:
 - 1. Submit three (3) copies of manufacturer's maintenance and operation instructions.
 - 2. Include parts list and lubrication instructions.

3.03 PRODUCT DELIVERY, STORAGE AND HANDLING:

- A. Deliver equipment in manufacturer's original unopened protective packaging or skids.
- B. Cover and store equipment above ground so as to keep free from water or other deteriorating elements.
- C. Handle so as to prevent damage to equipment during installation and storage.

3.04 PRODUCTS:

- A. General Requirements:
 - 1. Deepwell submersible vertical turbine pump with driving motor mounted below the pump bowl assembly shall be furnished and installed:
 - a. One (1) submersible pump in the supply well.
 - 2. Each unit to have a manufacturer's name, address and catalog or model number permanently marked, and readily visible.
 - 3. Conditions of Service:
 - a. Fluid to be Pumped: Potable water.
 - b. Design Performance: The pump shall perform in accordance with the following requirements:

Flow U.S. gpm	(130) 105,130
Total head, feet water	55,130
Minimum acceptable wire to water efficiency	55%

Section 15700

Maximum shut-off head, feet water	150
Drop pipe diameter	2"
Intake setting depth, feet below pitless adapter	16
Speed, rpm	3,500
Well casing, I.D.	6"
Motor horsepower	15
Motor electrical power	3/60/200
Layne and Bowler Bowl No.	4 RLC, 5 stg.

B. Pump Construction Features:

1. Pump Bowl Assembly:

- a. The pump bowls shall be of enameled cast iron, free of blow holes, sand holes, and other detrimental defects, and shall be accurately machined.
- b. The bowl assembly shall be positively locked together to insure they do not loosen during operation.

2. Impellers:

- a. SAE 40 bronze, statically balanced.
- b. Enclosed type to reduce water bypass and maintain maximum efficiency.
- c. Securely fastened to pump shaft with tapered split bushings.

3. Pump Shaft:

- a. AISI type 410 stainless steel, turned ground and polished.
- b. The size shall not be less than that determined by ASA specification B58.1 (AWWA E101-6).

Permit No. 4620-3Big Sioux 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 Missouri Basin Power of 100 N. Phillips, Ste. 700, Sioux Falls, SD 57104, holder of Permit No. 4620-3, bearing the priority of September 30, 1981 authorizing the diversion of 0.4 cu. ft. per second and/or ~~the storage of acre-feet~~ of the waters of Big Sioux Aquifer - Sioux Falls Management Unit for Irrigation and Geothermal purposes, in Minnehaha County.

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

A. Works used to divert the water:

Well #1 - Recharge Well - 55' deep with 8" Stainless Steel casing (unknown length), .080 slot-sized Stainless Steel screen of unknown length; Well #2 - Supply Well - 51' deep with same type of casing and screen (both lengths unknown), 5 Stage Layne and Bowler Submersible Pump, Model No. 4 RLC, 6", 130 GPM @ 30-40 PSI, 5 HP motor

B. Works used to transport water to place of use:
460' of 6" PVC pipe

C. Works used to apply water to beneficial use:
HVAC system (see additional information in file) and permanent irrigation sprinkler system which utilizes a 5 Stage Bell and Gossett pump, Model No. 11/X79V2, size 6", 50 GPM @80-90 PSI

The system is in the following condition excellent. The point of diversion is located (Supply Well) 1906'S and 286'E of the NW corner of Section 7-T101N-R19W. The works are capable of diverting and conveying to the place of use 0.40 cu. ft. per second of water and/or storing acre-feet of water which is to be used for irrigation (0.1 cfs) and geothermal (0.3 cfs). Water has been put to beneficial use to the maximum extent as follows:
All in Section 7-T101N-F49W:

SW1/4 NW1/4 = 1.25 acres (lawn irrigation) and 0.3 cfs for Geothermal (HVAC system) use

comprising a total of 1.25 (for lawn irrigation) acres of land and the license should be issued for 0.4 cfs and/or ~~acre-feet of storage~~.

Applicable permit qualifications have been complied with X Yes
No

Exceptions to compliance are: None Date 1/22/92

Gregory C. Johnston

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

LICENSE FOR PERMIT NUMBER 4620-3

1. Legal location of wells: Well No. 1 (Recharge Well) located 2147' S and 255' E of the NW corner and Well No. 2 (Supply Well) is located 1906'S and 286' E of the NW corner both in Section 7-T101N-R49W, Minnehaha County, SD

Dams and Structures N/A

2. Well Information: Well Drilling Firm Lacey

Completion Report? Yes X No No. of Wells 2 Depth(s) 56/51 feet

Casing a) diameter 8 inches Screen a) type Stainless Steel (.080 slot)
b) length Unknown (both) feet b) length Unknown (both) feet
c) type Stainless Steel Static Water level 15' ea.

Pump a) make Layne Bowler Motor a) make Same
b) model 4 RIC b) model no. same
c) size 6" c) horsepower rating 5
d) capacity 130 GPM d) serial no. Unknown
e) turbine pump - no. of stages 5
f) operating PSI 30-40

3. Distribution lines or canals

a) size 6 inches
b) type PVC
c) length 460 feet

5. System Type a) Water is supplied from Well No. 2 and then used in a Geothermal heating (HVAC) unit in the Missouri Power Basin office (see additional system design information in file). In addition, 50 GPM of water is used for sprinkler irrigation system - utilizes a Bell/ Gossett 5 Stage Pump, Model No. 11/X79V2, 50 GPM @ 30-90 PSI; driven by a Marathon Motor, Model No. KL1821TDR-7601DDW, 5 HP

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

- | | |
|------------|--|
| <u>X</u> | 1. Soil and water permit lands agree with lands being irrigated
and lands listed on permit? |
| <u>X</u> | 2. Special qualifications to permit being abided by? |
| <u>X</u> | 3. All structures, wells and lands on map? |
| <u>N/A</u> | 4. Irrigation Questionnaires checked to determine if permit
owner started irrigation by end of construction period? |
| <u>X</u> | 5. Is chemigation used? |
| <u>N/A</u> | 6. If yes, does equipment comply with chemigation rules? |

REMARKS:

File No. 4620-3

Water Rights Division -DENR

Conversation or File Documentation

NAME OF PERSON OR FILE: Missouri Basin Power

ADDRESS: 100 N. Phillips, Sioux Falls, SD 57104

COUNTY: Minnehaha

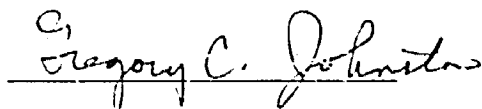
DATE: 3/9/92

TELEPHONE:

RE: IQ's for this permit.

COMMENTS:

When writing up license for 4620-3, went to check on Irrigation Questionnaires and found that there were none submitted for the permit since its existence. The holder is irrigating 1.25 acres in the SW1/4 NW1/4 Section 7--101N-49W, Minnehaha County, SD. Genny McMath will include this permit among those required to submit IQ's.

A handwritten signature in cursive script, reading "Gregory C. Johnston", is written over a horizontal line.

Gregory C. Johnston

Natural Resources Engineer

DENR, Water Rights Division



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

June 22, 1992

4620-3

Missouri Basin Municipal Power Agency
3005 W. Russell St.
Sioux Falls, SD 57107

Dear Sirs:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 4620-3, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

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

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

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

Pierre, _____ July 10, 1992

RECEIVED OF Missouri Basin Municipal Power Agency, PO Box 24610, SE, SD 57113-4610

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct works 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>4020-5</u>	50	00
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	50 00

By *John H. L. Brown*
Chief Engineer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 4620-3

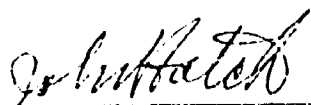
(1) Missouri Basin Municipal Power Agency of P.O. Box 84610, Sioux Falls, SD 57118-4610 made Application No. 4620-3, November 5, 1980 for a water permit to appropriate 0.40 cubic feet of water per second from groundwater (two wells), Minnehaha County, South Dakota for irrigation and geothermal heating purposes. Permit No. 4620-3 with a priority date of September 30, 1981 was approved March 25, 1981 and issued to applicant(s) for diversion of water with construction of the described water supply system to be completed on or before March 25, 1982 and for the application to beneficial use of said water on or before March 25, 1982.

(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 0.4 cubic feet of water per second for beneficial use. The location of the diversion points are: (Supply Well) 1906'S and 286'E of the NW corner of Section 7; and (Recharge Well) 2147'S and 255'E of the NW corner of Section 7, both in T101N, R49W.

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

SW 1/4 NW 1/4 Section 7, T101N, R49W 1.25 Acres

(4) Pursuant to Section 46-5-30.1 Missouri Basin Municipal Power Agency of P.O. Box 84610, Sioux Falls, SD 57118-4610 the holder(s) and/or owner(s) of Water Permit No. 4620-3 is issued a license to appropriate water, the right to use 0.40 cubic feet of water per second (0.1 cfs for irrigation and 0.3 cfs for geothermal use) from groundwater (two wells) with a priority date of September 30, 1981 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation and for geothermal heating purposes in the office building. This license is subject to any limitations or qualifications listed in Water Permit No. 4620-3 and subject to South Dakota State Law.

 AUG 5 1992
JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and
Natural Resources



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 5 1992

4620-3

Missouri Basin Municipal Power Agency
P.O. Box 84610
Sioux falls, SD 57118-4610

Dear Sirs:

Enclosed is Water License No. 4620-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 413793 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. 4620-3, 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

enclosures

IRRIGATION SUPPLIES

- Berkeley Pumps
- E-Z Rain Machines
- Aluminum or Plastic Pipe
- Nelson Volume Guns
- Traveling Gun Hose
- Hygromatic Center Pivot
- Deep Well Turbine Pumps
- Hot Vulcanized Hose Repair
- Gravel Packed Irrigation Wells
- Test Boring

WILLIAM H. LACEY & SONS

Box 796

TRENT, SOUTH DAKOTA 57065

Phone (605) 429-5586 Ed (605) 429-5979 Jim

10-20-80

Test hole log. for new

Missouri Basin Power Bldg

0-1 Topsoil

1-15 CLEAN YELLOW SAND good 14-16'

15-30 COARSE GRAVEL

30-35 SAND

35-40 COARSE GRAVEL

40' Bed rock

by
Jim Lacey

SD # 111

WILLIAM H. LACEY & SONS

Supply Well!

Address 504 E. 11th St. Ok.

North

A 2x2 grid diagram. The top edge is labeled 'North'. The left edge is labeled 'W' and the right edge is labeled 'E'. Each of the four quadrants contains a cross symbol (+).

County Miss. Choke
 & 1 1 Sec. 1 Twp. 1 Rg. 1

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

Method of Drilling: ☒ Forward Rotary ☒ Bored ☐ Jetted
☐ Reverse Rotary ☐ Cable ☐ Other

Diameter of Hole 8
Depth _____
Casing ☒ Steel ☐ Concrete
☐ Plastic ☐ Other
if other, specify _____

Was casing end left open Yes
Was a well screen installed Yes
Describe Well Screen
Diameter 8" Material Stainless Steel
Slot size 1/16"
Was well gravel packed Yes
Was well grouted Yes
Was water sample taken Yes

Static water level 15' below land surface
If flowing: closed in pressure _____ PSI
rate of flow _____ GPM

Controlled by: ☒ Valve ☐ Reducers ☒ Other.

If other; specify _____

☒ Pumped _____
☒ Bailed Describe: _____
☒ Other _____

Pumping Level	Below Land Surface			
<u>2.0</u>	<u>ft. After</u>	<u>1.2</u>	<u>Hrs. pumped</u>	<u>5.0</u> GPM
" "	" "	" "	" "	" "
" "	" "	" "	" "	" "

Depth:

Formation	From	To
Wp. 1	1	1
Wp. 2	1	3
Wp. 3	3	25
Wp. 4	20	30
Wp. 5	32	51

(Use Back if Necessary)

Date Completed: 12-4-80

Driller: Ed H. Lamm 111
Driller's or Firm's Name License NO.

Tec. S. Oak.
Address

Signed By James J. Tracy Date 1/1/50



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 21, 2003

4620-3

Roy Stromsness
Missouri River Energy Services
PO Box 88920
Sioux Falls SD 57109

Dear Mr. Stromsness:

Enclosed is a "Notice" dated October 17, 2003 concerning the 2003 irrigation questionnaire. The notice was originally mailed to "Missouri Basin Municipal Power" at PO Box 84610 in Sioux Falls. The post office notified us that your address and name have changed.

I can update the address immediately, however in order to change the name on a water right, a "Notice of Transfer of Ownership" needs to be filed with us. I realize the company is the same and only the name is changed but we need something in the file from you that authorizes us to make the name change.

Enclosed is a partially completed transfer form. Please review the form and complete as needed. A \$2.50 filing fee is required. The check or money order for the fee can be made payable to the Water Rights Program.

You can return the completed irrigation questionnaire, the transfer form and filing fee to our program. Enclosed is a postage paid envelope for your convenience.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

To: Chief Engineer
Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED
NOV - 6 2003
WATER RIGHTS
PROGRAM

No. 4620-3

Date: _____

I/We request that Water Right No. 4620-3

formerly owned by: Missouri Basin Municipal Power Agency

be transferred to: (name & address) CLIMATE SYSTEMS, INC.

3005 W FIRST ST.

SIOUX FALLS, SD 57107 Telephone No. 605-334-2164.

Title to the following described land(s)/property has been transferred as described above:

1.25 acres in the SW 1/4 NW 1/4 Section 7, T101N, R49W (Water Right authorizes diversion of

ground water (two wells) for irrigation, geothermal heating in an office building

I/We understand that the validity of Water Right No. 4620-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

You are requested to file this "Notice of Transfer" in the appropriate file with the Water Rights Program, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is required to cover the filing fees as required under SDCL 46-2-13. This form must be signed by the new owner.

(I/We) CLIMATE SYSTEMS, INC., the new owner, certify that the above information is true and correct.

CLIMATE SYSTEMS, INC.
By Dave Stadheim PRESIDENT
(Signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five year construction period has expired. Once a water permit is developed and the water used, the permit becomes a right. A water right may be lost for three reasons:

1. Abandonment - no intent to use water and use is abandoned.
2. Forfeiture - no use of water for three year period without legal excuse.
3. For a third violation of a condition of a water permit/right.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 13, 2003

No. 4620-3

Climate Systems, Inc.
Dave Stadheim, President
3005 W 1st St
Sioux Falls SD 57107

Dear Mr. Stadheim:

Thank you for submitting the "Notice of Transfer of Ownership" form for use in filing an ownership change on Water Right No. 4620-3.

A fee of **\$2.50** is required to cover the filing fees required under SDCL 46-2-13. Upon receipt of the fee from you, the water right will be transferred to your name.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

November 13, 2003

No. 4620-3

Climate Systems, Inc.
Dave Stadheim, President
3005 W 1st St
Sioux Falls SD 57107

Dear Mr. Stadheim:

Thank you for submitting the "Notice of Transfer of Ownership" form for use in filing an ownership change on Water Right No. 4620-3.

A fee of **\$2.50** is required to cover the filing fees required under SDCL 46-2-13. Upon receipt of the fee from you, the water right will be transferred to your name.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352

*Please send check for
2.50*

RECEIVED

DEC - 8 2003

WATER RIGHTS
PROGRAM

RECEIVED
DEC 11 2003

pd
12-4-03
#13946
2.50

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date December 8, 2003

RECEIVED OF Climate Systems Inc., Dave Stadheim President, 1609 W. First St., Sioux Falls

57104

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	2	50
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 <u>4620-3</u>		
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	
	2.50	

No.

000954

By

Darlene Ebele

Chief Engineer

gm



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

December 10, 2003

4620-3

Dave Stadheim, President
Climate Systems, Inc.
3005 W First St
Sioux Falls SD 57107

Dear Mr. Stadheim:

Thank you for following up on the ownership change for Water Right No. 4620-3. The transfer has been completed. The water right formerly listed in the name of Missouri Basin Municipal Power Agency is now listed in the name of Climate Systems, Inc.

Enclosed is your Receipt No. 000954 in the amount of \$2.50. If I can answer any questions for you, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosure

Sioux Falls (Northwest)



Map Of The City Of
Sioux Falls, S.D.
Office Of The City Engineer
Scale 1"=200' March 1976
LEGEND 3000'

- City Limits
- Streets
- Main Throughways And Highways
- S.D. Highways
- U.S. Highways
- Interstate Highways
- Recreational
- Schools
- Points Of Interest
- Cut In Size
- Public Parks

Revised
February 1979

Phillips Avenue is the dividing Avenue between East and West
North Street is the dividing Street between North and South
Hundred Block Numbers denoted as follows 400, 2000, etc.

GRAPHIC SCALE IN FEET
0 500 1000 1500 2000

I hereby certify that this plan, specification or report
was prepared by me, or under my direct supervision, and
that I am a duly Registered Professional Engineer under
the laws of the state of SOUTH DAKOTA
By John De Wit
Registration No. 2917 Date 10-31-80

WEST 1/4 CORNER SEC. 7
T10N R49W

WELL NO. 1 - 493' N
255' E

WELL NO. 2 - 734' N
286' E

original

~~Map #88923~~

appl. 4620-3

Sioux Falls (Northwest)



Map Of The City Of
Sioux Falls, S.D.
Office Of The City Engineer
Scale 1"=1200' March 1976
LEEDS
3000'

- LEGEND
- City Limits
 - Streets
 - Main Thoroughfares And Highways
 - S.D. Highways
 - U.S. Highways
 - Interstate Highways
 - Railroads
 - Schools
 - Points Of Interest
 - City Of S.D.
 - Public Parks

Revisions
February 1979

Phillips Avenue is the dividing Avenue between East and West
North Street is the dividing Street between North and South
Hundred Block Numbers started as follows 400, 2000, etc.

GRAPHIC SCALE IN FEET
0 500 1000 1500 2000

I hereby certify that this plan, specification or report
was prepared by me, or under my direct supervision, and
that I am a duly Registered Professional Engineer under
the laws of the state of SOUTH DAKOTA

By John De Wit
Registration No. 2917 Date 10-31-80

WEST 1/4 CORNER SEC. 7
T10N R49W

WELL NO. 1 - 493' N
255' E

WELL NO. 2 - 734' N
286' E

copy

Map # 3837-3

App 4620-3

67640 © Northwestern Bell Telephone Company

Section 12-T101N-R50W-~~38W~~

NW corner Section 7

Section 7-T101N-R49W

NW $\frac{1}{4}$ NW $\frac{1}{4}$

NE $\frac{1}{4}$ NW $\frac{1}{4}$

SE $\frac{1}{4}$ NE $\frac{1}{4}$

SW $\frac{1}{4}$ NW $\frac{1}{4}$

SE $\frac{1}{4}$ NW $\frac{1}{4}$

2147'
286'
Well #2 (Supply)

Well #1 (Recharge)

Missouri Basin Power
(1.25 acre lawn irrigation)
+ Building-Geothermal use

NE $\frac{1}{4}$ SE $\frac{1}{4}$

190'

No. 4620-3

MISSOURI BASIN POWER

Drawn by:

Gregory C. Johnston

Gregory C. Johnston

Natural Resources Engineer

Water Rights Division, D'ENR

Pierre, SD 57501

3/9/92

Russell Avenue

Sioux Falls, SD

N

1"=765'