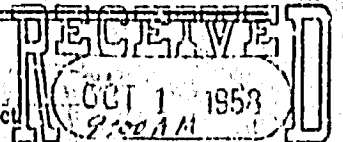


No. 498-2  
 Water Division No. 2 Fall River District  
 (Blocks to be filled by the Engineer for the W. R. C.)



STATE WATER RESOURCES COM.  
 PIERRE, SOUTH DAKOTA

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

1. Name of applicant SD State Veteran's Home  
2500 Minnehahata Ave  
Hot Springs, SD 57747  
 Postoffice address Hot Springs, County Fall River, State S. D.

I. If a corporation \_\_\_\_\_

(a) Name of same \_\_\_\_\_

(b) Date and place of incorporation \_\_\_\_\_

(c) Amount of capital stock \_\_\_\_\_

(d) Amount paid in \_\_\_\_\_

(e) Names and addresses of directors Institution: Board of Charities and Corrections

Frank Kraft, President, Aberdeen, S.D., Mrs. Arnesen, V. Pres., Madison, S.D.

Mrs. Kathryn Eving, Sec., Deadwood, S.D., Frederick Cozad, Member, Martin, S.D.

Dr. M. H. Morrissey, Member, Pierre, S.D.

(NOTE--A certified copy of articles of incorporation must accompany the application.)

II. Method of accomplishing the work and financial resources of the applicant:

(a) Method of accomplishing work (Whether by contract, employment of others, or by direct labor) \_\_\_\_\_

(b) Cash on hand, \$ \_\_\_\_\_

(c) Treasury stock, \$ \_\_\_\_\_

(d) Bonds to be issued, \$ \_\_\_\_\_

(e) Other resources, \$ \_\_\_\_\_

2. Name of diversion work Wells-- No. 1 and No. 2

3. Amount of water claimed 1-200 gpm per min. or 1.44 cfs.  
2-300 gpm per min. or 2.16 cfs.

4. Source of water supply ground water

5. Location of point of diversion location each well

No. 1 - 63 1/2 rods west and 19 rods north; No. 2 - 75 rods west and 23 rods north  
both from the SW 1/4 Sec. 14, T. 26 N., R. 2 E., S. 14 M. County.

6. Annual period or periods during which water is to be used continuously.

7. To be used for:

I. Irrigation or domestic use: Gravity, overhead sprinkling or combination system? \_\_\_\_\_

(a) Number of acres to be irrigated 21 acres.

(b) Legal subdivisions to be irrigated See Description attached to the application

(NOTE--A list of lands to be irrigated giving each subdivision and fraction with acreage thereof, should be written here, or may be appended as a part of this application. Same must also be shown on accompanying map.)

(c) Statement as to domestic use (giving location, etc.) Cooking, Washing, Laundry & Sanitary

facilities. Heating and power for approximately 400 people. Institutional use.

II. Stockwatering, mining, milling, power, fish culture, fire protection and public recreation:

(a) Nature of use Power and Fire Protection

None any of the above uses claimed

(b) Amount of power to be generated 300 boiler horse power.

Amount claimed for engine cooling 1000 gal. per 24 hours

(c) Location of plant Pierrefac

(d) Method of developing power Steam Boilers

(e) Point where water will be returned to stream Fall River, Hot Springs, City Limit.

## 8. Estimated cost of work:

(e) Head Gates, \$-----

(b) Pumping plant, \$-----

(c) ~~Fluming~~ <sup>WELLS</sup>, \$-----

(d) Canal-earth, \$-----

Rock, \$-----

(e) Other structures \$1-12,500.00-----

Total, \$-----

2-14,600.00

## 9. Description of diversion work:

I. Nature of works: (Reservoir, dam, ditch, flume, pumping plant, etc.)

## II. Dimensions of works:

(a) Dam: Height-----feet; length at bottom-----feet; length at top-----

feet; thickness at bottom-----feet; thickness at top-----

feet; slope at front water face-----; slope at back face-----

material used in construction-----

(b) Reservoir: Capacity when filled-----acre feet. Surface area at highwater mark-----acres.

| DEPTH AT<br>OUTLET-Feet | SURFACE AREA AT EACH<br>DEPTH AT OUTLET--ACRES | FEET | ACRE-Feet<br>CAPACITY |
|-------------------------|------------------------------------------------|------|-----------------------|
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |
|                         |                                                |      |                       |

(c)\* Head gate: Width-----feet; height-----feet;

Material-----

(d) Canal: Total length-----miles.

| LOCATION BELOW<br>HEADGATE | DEPTH      | BOTTOM<br>WIDTH | WIDTH AT<br>WATER-LINE | GRADE<br>PER MILE |
|----------------------------|------------|-----------------|------------------------|-------------------|
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |
| At ----- Mile              | ----- feet | ----- feet      | ----- feet             | ----- feet        |

(Give dimensions where reductions in size are made.)

10. Time required for completion of work Completed-----years.

11. Time required for complete application of water to the proposed beneficial use Completed-----years.

12. Choice of newspaper for publication of notice of intention to appropriate-----

STATE OF SOUTH DAKOTA

County of

Fall River

ss.

I,

being first duly sworn on my oath deposit and say: That my relation to the above described work making is that of owner, that I have read the above foregoing statement, examined the map accompanying the same, and that I know of my own personal knowledge that the matters therein stated and shown are true.

Signed

Subscribed and sworn to before me this

29th

day of

September

1958

Notary Public (or other qualified officer.)

\*Each diversion must have a headgate or measuring device.

Remarks by State Water Resources Commission:

"Vested Right" claim

STATE OF SOUTH DAKOTA

County of

Flagg

ss.

Pierre, South Dakota,

October 9, 1958

This is to certify that the foregoing application was received by the Commission at 9:00 o'clock

7 a.m. upon the 1 day of October, 1958

State Water Resources Commission

By:

J. W. Primmer

Chief Engineer, Executive Officer

Number of permit

498-2

Date of first receipt of application

October 1, 1958

Date of return to applicant for correction, amendments or changes required as follows:

October 9, 1958

Date of receipt of corrected application

November 5, 1958

Date from which applicant may claim right

0.44 c.f.s. from Well #1 from 1889  
0.66 c.f.s. from Well #2 from 1950

Approved

November 24, 1958

Recorded in Book

5-51 Page 51

This is to certify that we have examined the foregoing application for a permit to appropriate water of the State of South Dakota, and we hereby grant the same as stated herein, subject, however, to the following limitations and conditions:

1st. The equivalent of at least one-fifth of the work above specified is to be completed on or before

Completed, 19

2nd. The whole of said work is to be completed on or before

Completed, 19

3rd. The limit of time for proof of beneficial use of water appropriated in accordance herewith is

Completed, 19

4th. The water appropriated shall be used for the purpose of

irrigation and institutional use

5th. 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.

6th. The amount of the appropriation herein granted shall not exceed 1.10 cubic feet per second; neither shall it exceed the capacity of the above described system of diversion works, nor the least amount of water that experience may hereafter indicate as necessary for the production of crops in the exercise of the best husbandry; and further, said appropriation must 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 or before

Completed, 19; said water to be used during the following described annual period:

Continuously

Witness my hand this

29

day of

November

1958

State Water Resources Commission

By:

J. W. Primmer

Chief Engineer, Executive Officer

Certificate of Construction Issued

November 29, 1958

Water License Issued

November 29, 1958

Permit No. 498-2Water Division No. 2 Fall River Water District**Certificate of Completion of Works**

TO ALL WHOM IT MAY CONCERN:

This is to Certify, That the State Soldiers' Homeof Hot Springs, County of Fall River, and State of South Dakotathe holder of Permit No. 498-2 issued upon Application No. 408-2, bearing date of priority of 1889 for 0.44 c.f.s. from Well # 1 and 1950 for 0.66 c.f.s. from Well No. 2, authorizing the diversion of1.10 cu. ft. per second of the waters of ground waterCounty of Fall River, State of South Dakota, at Well No. 1, 63½ rods west and 19 rods north; Well No. 2., 75 rods west and 25 rods north both from the SW Cor., Sec. 14, T. 7 S., R. 5 E. BHM, for irrigation and institutionalpurposes, has fully complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 1.10 cu. ft. per second of water; and that the lands proposed to be irrigated by the use of said water are described as follows,to-wit: N½SE¼SW¼)  
S½NW¼SW¼) all in Sec. 14, T7 S, R5 E BHM 21 acres in all  
N½SW¼SW¼)**Cemetery Addition**and in addition water is to be used for institutional purposes at the State Soldiers' HomeWitness my hand this 29th day of November A. D. 1958

State Water Resources Commission

By:

**J. W. GRIMES,**

Chief Engineer, Executive Officer

## STATE OF SOUTH DAKOTA

## WATER LICENSE No. 498-2

WHEREAS, On the 1st day of October A. D. 1958  
 the State Soldiers Home  
2500 Minnehaha Ave.  
 of Hot Springs 57247 County of Fall River and State of  
South Dakota duly made application (No. 498-2) to us for a Vested Right 1.10  
 cubic feet per second of the waters of ground water  
 County of Fall River, State of South Dakota, for: Irrigation and institutional  
 purposes; and

WHEREAS, On the 29th day of November A. D. 1958  
Vested Right: recognizing  
 Permit No. 498-2 was issued to said applicant for the diversion of said water, and ~~XXXXXXXXXXXX~~  
 completion of the works of diversion therein described ~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~  
in 1889 and 1950 ~~XXXXXX~~ and for the application to beneficial use of said  
 water ~~XXXXXXXXXX~~ ~~XXXXXX~~ in 1889 and 1950 ~~XXXXXXXXXX~~  
 and,

WHEREAS, On the 1st day of October A. D. 1958  
 the holder of said permit duly made proof of the completion of adequate works for the diversion of 1.10  
 cubic feet per second of said waters, as evidenced by our Certificate No. 498-2  
 dated November 29, 1958 confirming the completion of works of sufficient capacity for  
 diverting and conveying to the place of intended use 1.10 cubic feet per second of water, with date of  
1889 for 0.44 c.f.s. from Well #1  
 priority of and 1950 for 0.66 c.f.s. from Well #2 ~~XXXX~~

WHEREAS, On the 1st day of October A. D. 1958  
 proof was duly made of the application to beneficial use of 1.10 cubic feet per second of said water;  
on 21 acres located in the N $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  all  
in Sec. 14, T 7 S, R 5 E B1M, The Cemetery Addition and in addition  
water is to be used for institutional purposes at the State  
Soldiers' Home

NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota,  
We hereby grant and confirm to the State Soldier's Home  
of Hot Springs, South Dakota the holder and owner of Vested Right  
a water right, dating from 1889 for 0.44 c.f.s. from Well #1 and 1950 for  
0.66 c.f.s. from Well #2 to the use of 1.10  
cubic feet per second of the waters of ground water  
In the County of Fall River and State of South Dakota, or so much thereof as may be  
necessary for the purposes hereinbelow mentioned, to be diverted at Well No. 1, 63 1/2 rods west  
and 19 rods north; Well No. 2, 75 rods west and 25 rods north both  
from the SW Cor., Sec. 14, T 7 S, R 5 E BHM  
and conducted to the NW 1/4 SW, S 1 NW 1/4, N 1/2 SW, all in Sec. 14, T  
7 S, R 5 E, the Cemetery addition, and the Members of the State Soldiers'  
Home, their wives and widows.  
for the purpose of irrigation and institutional use

subject, however, to the laws of the State of South Dakota applicable to a license for the use of the waters of the  
State, and subject, also to the local or community customs, rules and regulations which have been or may be  
adopted from time to time by a majority of the users from a common source of supply, canal or lateral from  
which such water may be taken, when such rules and regulations have for their object the economical use of such  
water.

WITNESS, My hand and seal of our office at Pierre, South Dakota,  
this 29th day of November A. D. Nineteen  
Hundred and Fifty-eight.

State Water Resources Commission

By:

J. W. GRIMES,

Chief Engineer, Executive Officer

STATE OF SOUTH DAKOTA

Water License No. -----

To -----

Source of Supply -----

County -----

Am't ----- c. f. s.

Point of Diversion -----

Place of Use -----

Purpose -----

Date of Priority -----

Recorded -----

in Book ----- of ----- Page -----

Form 2A — Wells (Supplement to Form 2)

B. (Continued)

Well # 1

III. Well Specifications

(a) Hole and casing 6" 250 ft.

Size of drill hole or excavation 8" , Depth 250 ft.

Type of casing Steel (wood, concrete, steel, etc.)

Size of casing 6" , Thickness of casing 6"-3/16"

Length of casing 240(est) If collection gallery, length, size and depth of gallery

(b) Screens

Type of perforated screen none

Size of perforated screen (diameter) (length)

Thickness of gravel pack ? , length of gravel pack unknown

(c) Water Bearing Materials

Distance to water 165 ft. Character of water bearing materials Sand & Gravel

Thickness of water bearing material

(d) Pump and Motor

Type of pump Centrifugal 6" P.R.H.C. Turbine (centrifugal, propeller, mixed flow, etc.)

Name of pump Layne Pump capacity & size 125 gal. at 325 Dynamic Head

Kind of motor Electric (gasoline, electric, diesel, etc.)

Horsepower 15 H.P. Name of Motor U. S. Motor

(e) Complete well

Capacity 200 G.P.M. at drawdown of 30 ft. Estimated cost 12,000.00

(f) Owner of land upon which well is located S. D. State Soldiers Home

Hot Springs, S.D.

Address

(g) Distance to nearest existing wells

On same owner's property rods. On property owned by others rods

Form 2A — Wells (Supplement to Form 2)

9. (Continued)

III. Well Specifications **WELL # 2**

(a) Hole and casing **8" 235 Ft.**

Size of drill hole or excavation **12"**, Depth **255 ft.**

Type of casing **Steel**  
(wood, concrete, steel, etc.)

Size of casing **10"**, Thickness of casing **8"- $\frac{1}{4}$ "**

Length of casing **322** If collection gallery length size and depth of gallery

(b) Screens

Type of perforated screen **Bronze**

Size of perforated screen **#5 Dia  $4\frac{1}{4}$ " length 35 ft.**  
(diameter) (length)

Thickness of gravel pack **?**, length of gravel pack **10 ft.**

(c) Water Bearing Materials

Distance to water **175 ft.**, Character of water bearing materials **Sand & Gravel**

Thickness of water bearing material

(d) Pump and Motor

Type of pump **Centrifugal 8" P.V.H.C. turbine**  
(centrifugal, propeller, mixed flow, etc.)

Name of pump **Layne Pump**, capacity & size **210 gal at 325 Dynamic Head**

Kind of motor **Electric**  
(gasoline, electric, diesel, etc.)

Horsepower **25 HP**, Name of Motor **U.S. Motor**

(e) Complete well

Capacity **300 GPM** at drawdown of **33 ft.**, Estimated cost **14,500.00**

(f) Owner of land upon which well is located **State Soldiers Home**  
Name

**Hol Springs, S.D.**

Address

(g) Distance to nearest existing wells

On same owner's property rods. On property owned by others rods

Form 6-Notification of Corrections to be made.

498-2

COMMISSION

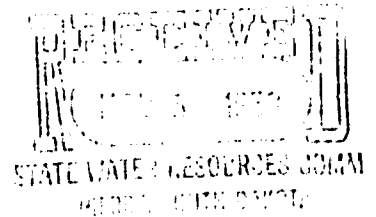
A. B. Munck, Pierre,  
Chairman  
Kenneth G. Rector, Lead,  
Secretary  
James H. Bigger, Brookings  
Carl Cronin, Bettysburg  
Lauren A. Davis, Belle Fourche  
Stephen H. Perle, Vermillion  
Walt Taylor, Rapid City



SOUTH DAKOTA  
*State Water Resources Commission*

J. W. GRIMES, CHIEF ENGINEER AND EXECUTIVE OFFICER  
STATE OFFICE BUILDING

PIERRE, SOUTH DAKOTA  
October 9, 1958



Mr. Loyd R. Ballard, Superintendent  
The State Soldier's Home  
Hot Springs, South Dakota

Dear Mr. Ballard:

*Nov. 1959*

Your application No. 498-2 for a Vested Right permit to appropriate 1.11 cubic feet of water per second from ground water near Hot Springs in Fall River County, South Dakota, has been received. In order to establish a priority date, we must have the date of construction of Well #1. If you do not know the exact date, possibly you could estimate it. Also please send us the location of each well, by direction and distance from a surveyed corner, preferably a section or quarter section corner. Although it is not mandatory we would appreciate a sketch map showing the location, area and description of the lands irrigated and the location of the wells. This sketch will enable us to make a more accurate record of your Vested Right.

In accordance with Section 61.0111 of Chapter 430 Session Laws of 1955, you will now have sixty days from date of this letter to complete your application and to refile same in this office.

10: Mr. Wyborny  
From: State Soldiers Home

Legal Description of Wells:

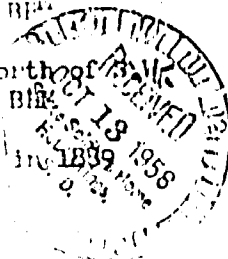
No. 1-63½ rods west, 19 rods north of the S.W.  
Corner Sec. 14- Twp 7-Range 5 B14

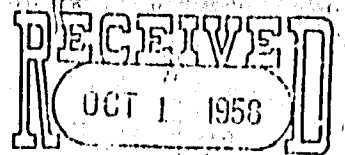
No. 2- 72 rods west-25 rods north of S.W.  
corner Sec. 14, Twp 7 Range 5 B14

We believe Well no. 1 was dug in 1889

Sincerely,

*Les Wyborny*  
LES WYBORNÝ  
Water Rights Engineer



Location No. 498-2Water Division No. 2Water District Fall RiverSTATE WATER RESOURCES COMM.  
PIERRE, SOUTH DAKOTA

## Proof of Application of Water to Beneficial Use

### PETITION OF HOLDER

Ques. 1. State your name, residence, occupation and postoffice address.

Ans. South Dakota State Soldiers' Home, Hot Springs, S.D.

Ques. 2. If acting in behalf of a corporation, state its name, principal place of business (if a foreign corporation, give name and postoffice of statutory agent,) your position with reference to same, and your authority for appearing in its behalf.

Ans. \_\_\_\_\_

Ques. 3. State date of posting and date of recording notice of appropriation.

Ans. Well #1- unknown Well #2 1950

Ques. 4. State source of water supply and give exact location of point of diversion.

Ans. Ground Water

Ques. 5. Describe your works of diversion giving length and height of each dam and state amount of water they are capable of conveying from point of diversion to place of use, and give name of canal or ditch or other works by which water is conducted to such place or use, and date of completion of same.

Ans. See Attached

Ques. 6. State for what purpose water is used and describe place of use. (If for irrigation, name each subdivision in which used, and number of acres in each subdivision that have ACTUALLY been irrigated with said water.)

Ans. Cooking, Washing, Laundry and Sanitary facilities- Heating & Power for  
approximately 400 people

Ques. 7. If for other than irrigation purpose, state how applied, amount of horse power generated, etc.

Ans. 300 boiler horse power

Ques. 8. What is the minimum amount of water required for the use specified above?

Ans. Capacity- 50,000 Gal. per 24 hrs. -daily average usage for 1957

Ques. 9. If you are not the person or representative of the corporation to whom above mentioned permit was originally issued, please state how ownership was acquired by present holder.

Ans. \_\_\_\_\_

Ques. 10. State when, how, in what amount and to what extent, the water diverted under above mentioned permit has been used.

Ans. Same as No. 6.

Well #1 - 1889 - 0.44 cfs

Well #2 - 1950 - 0.66 cfs

Institutional use

(Sign)

I hereby certify that the foregoing testimony was read to the above subscriber before its signing, that I believe him to be the person he represents himself to be, and that said testimony was subscribed and sworn to before me, at my office in Hot Springs, S. Dak., County of Fall River

State of South Dakota, on this 29th day of September A. D. 1958

Witnesses.

Notary Public.

I, the undersigned, do hereby certify that I am a duly qualified elector residing in the immediate vicinity of the diversion works designated in the foregoing testimony, that I have no interest in the works, water or land above described, that I have read the foregoing testimony and that I know of my own personal knowledge that the matters therein stated are true.

Location No.

PROOF OF APPLICATION OF  
WATER TO BENEFICIAL USE

PETITION OF HOLDER

Amount of Water c. f. s.

Source

County

Purpose

Place of Use

Date of recording

Received and filed

Form No. 24 Question 5

NAME, MODEL, CAPACITY OF PUMPS

#1- Layne Pump

Serial # 27312

125 G.P.M. 325 Ft. Dynamic Head

U.S. 15 H.P. 1300 R.P.M.

220/440 - 3 ph.

4" Column

24 Stage-type 6" R.K.H.C.

4" Discharge

#2- Layne Pump

Serial # 21703

Centrifugal

210 G.P. M. 325 Ft. Dynamic Head

Make-U.S. --25 H.P. 1750 R.P.M.

220/440 3 ph

5" Column

10 stage Type 3" P.R.H.C.

4" discharge

DIAMETER & LENGTH OF MAINS

8" C.I. W Pipe- 60ft.

6" C.I.W. Pipe- 1500 ft.

4" C.I.W. Pipe- 1452 ft.

4" Gal. I W Pipe- 205 ft.

3" Gal I.W. Pipe 240 ft.

( Just to the building lines- not under building)

498-2

WATER RIGHTS DIVISION  
(GC) 773-3352

February 12, 1988

Fred Janklow, Superintendent  
State Veteran's Home  
2500 Hinnekahta Avenue  
Hot Springs, South Dakota 57747

Dear Sir:

Enclosed is a copy of Vested Water Right No. 498-2. If you have any questions,  
please contact me.

Sincerely,

Genny McMath  
Natural Resources Analyst

Gll:ms  
Enc.



# Department of Water & Natural Resources

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

498-2

January 29, 1988  
Fred Janklow, Superintendent  
STATE VETERAN'S HOME  
2500 MINNEKAHTA  
HOT SPRINGS, SD 57747

## NOTICE

Re: Violation of Requirement To Submit 1987 Irrigation  
Questionnaire

Our records indicate that the 1987 Irrigation Questionnaire has not been submitted for Permit No(s). 498-2. The request for the Questionnaire was dated October 8, 1987. The Water Management Board has directed that owners of water permits who have not submitted 1987 Irrigation Questionnaires be given notice of hearing(s) to be held by the Board to determine if any action is to be taken concerning the violation.

The hearings will be held at 9:00 am, March 2, 1988 in Room 216, Joe Foss Building, 523 E Capitol, Pierre SD.

The hearing will be conducted pursuant to the provisions of SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to procedures contained in SDCL 1-26. Following the hearing(s), the Water Management Board can:

1. Amend Permit No(s). 498-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action;
3. Take no action.

The hearing(s) is an adversary proceeding. The permit owner 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.

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

NOTE: If the questionnaire(s) is received in this office before the March 2 hearing date, your name will be deleted from the agenda for the hearing.

498-2

South Dakota State Veterans' Home  
2500 MINNEKAHTA AVENUE  
HOT SPRINGS, SOUTH DAKOTA 57747-1199

12 February 1988



South Dakota Department of  
Water & Natural Resources  
Joe Foss Building  
523 East Capitol  
Pierre, SD 57501-3181

RE: 1987 Water Report

The water meters at the State Veterans' Home are old with one not being repairable. Due to the cost of a new meter we have not replaced this meter on our 6" well. The 4" well meter has been repaired many times and is not accurate.

We have 8 acres of lawns which we will begin watering about the first of May and stop sometime in October.

If we estimate 36" for a dry year, not stressing our grass due to past watering practice, we would use in the vicinity of 8 million gallons of water per year. This would include a 5 year program, beginning in 1987 and going through 1991, to slowly get the grass to root down rather than feeding & watering on top of the soil.

Sincerely,

A handwritten signature in dark ink, appearing to read "Ken Yule".

Ken Yule  
Physical Plant Director

KY/dd

RECEIVED

FEB 16 1988

SOUTH DAKOTA DEPARTMENT OF  
WATER AND NATURAL RESOURCES  
OFFICE OF DRINKING WATER

**South Dakota** Department of  
**Water & Natural Resources**

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

February 23, 1988

498-2

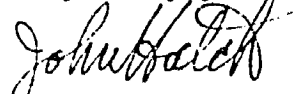
Ken Yule, Physical Plant Director  
SD State Veteran's Home  
2500 Minnekahta Ave  
Hot Springs SD 57747-1199

Dear Mr. Yule:

I am writing to acknowledge receipt of your 1987 Irrigation Questionnaire(s). A notice was sent to you January 29, 1988 regarding the requirement to submit the Irrigation Questionnaire(s) for Water Permit No. 498-2 and the hearing date before the Water Management Board.

Since your questionnaire was received prior to the March 2, 1988 Water Management Board Meeting, your name has been deleted from the Board Meeting agenda. If you have any questions, please contact us.

Very truly yours,



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

**SOUTH DAKOTA**  
**Department of**  
**Water & Natural Resources**

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

September 21, 1988

**NOTICE**

SD State Veterans Home  
2500 Minnehahata Ave  
Hot Springs SD 57747

Dear Sir:

I am writing to notify you that pursuant to the Notice of Intent to Validate Vested Water Right Claims dated June 20, 1988 that I intend to oppose validation of your water right claim No(s). 498-2 until a field inspection has been completed. The claim has either never been inspected or an inspection was conducted so long ago that a new inspection is needed. An inspection is needed to determine the current state of your vested water right claim.

A staff member from the Division of Water Rights will be contacting you and scheduling an inspection of your water project. If we can answer any questions, please contact us.

Very truly yours,

*John Hatch*

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



XXVTH

# Department of Water & Natural Resources

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

December 1, 1986

Vested Water Right  
Claim No. 453-2

SD State Veterans Home  
2500 Minnehaha Ave  
Hot Springs SD 57747

Dear Sir:

Enclosed is a copy of a letter received from the U.S. Department of Interior, Bureau of Reclamation. The Bureau of Reclamation is opposing those vested water right claims in Pennington, Perkins, Butte and Fall River counties which have never been investigated by the Division of Water Rights. Earlier, you received a letter stating that I was opposing your claim until an investigation can be completed.

After the investigation has been completed, you and the Bureau of Reclamation will be notified as to the date, place and time of the hearing on your vested water right claim. At that time all parties of record will have an opportunity to testify on the validation.

If we can answer any questions, please contact us.

Very truly yours,



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

cc: Bruce Laymon, Bureau of Reclamation



498-2

**South Dakota State Veterans' Home**  
2500 MINNEKAHTA AVENUE  
HOT SPRINGS, SOUTH DAKOTA 57447-1199

11-C2-88

Department of Water & Natural Resources  
John Hatch, Chief Engineer  
Joe Foss Building  
523 East Capitol  
Pierre SD 57501-3181



Dear Sir,

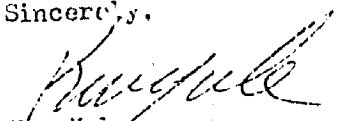
Our buildings and grounds are on the same system as our lawn sprinkling systems.

We water for 30 weeks per year with 1 inch per acre, per week on 8 acres.

This gives a a figure of 6,480,000 gallons per year for irrigation purposes.

If you have any questions please give us a call.

Sincerely,

  
Ken Yule  
Physical Plant Director

KY/dn

Enc.

## Conversation or File Documentation

NAME OF PERSON OR FILE: SD State Veterans HomeADDRESS: 2500 Minnetakata Ave, Hot Springs, SD COUNTY Fall River  
57797DATE: June 8, 1989

TELEPHONE

RE: Validation of Vested Right Claim No. 498-2

## COMMENTS:

I inspected this claim on June 4, 1989 with a staff member of the Physical Plant, State Veterans Home. The claim has not changed since it was filed.

Well No. 1 - Submersible pump, 200 gpm

Well No. 2 - Turbine pump, 300 gpm.

Water is used for irrigation of Veterans Home grounds and cemetery and institutional purposes.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

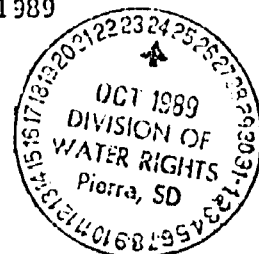
NAME:

William W. Bragg, P.E.  
Hydrologist

498-2

18 OCTOBER 1989

DEPARTMENT OF WATER AND NATURAL RESOURCES  
JOHN HATCH, CHIEF ENGINEER  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SD 57501-3181



DEAR SIR:

OUR BUILDINGS AND GROUNDS ARE ON THE SAME SYSTEM AS OUR LAWN SPRINKLING SYSTEMS.

WE WATER FOR APPROX. 30 WEEKS PER YEAR WITH 1 INCH PER ACRE, PER WEEK ON 8ACRES.

THIS GIVES A ESTIMATED UNMETERED FIGURE OF 6,480,000 GALLONS PER YEAR FOR IRRIGATION PURPOSES.  
IF YOU HAVE ANY QUESTIONS PLEASE CALL.

SINCERELY;

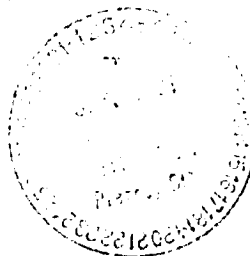
A handwritten signature in cursive script, appearing to read "John Hatch".

*South Dakota*

GREAT FACES. GREAT PLACES.

DEPARTMENT OF WATER & NATURAL RESOURCES

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



December 27, 1990

'98-2

State Veteran's Home  
2500 Minnekahta  
Hot Springs, SD 57747

Dear Sir:

Enclosed is your 1990 irrigation questionnaire. In order for us to calculate the amount of water utilized during 1990, you will need to complete the entire form.

The form must be completed and returned to our office by January 11, 1990. If you have any questions, please contact me.

Sincerely,

*Genny McMath*

Genny McMath  
Natural Resources Analyst  
(605) 773-3352

enclosure

*1/11/91*



DEPARTMENT OF WATER & NATURAL RESOURCES

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

January 24, 1991

Floyd Baird  
State Veteran's Home  
2500 Minnekahta  
Hot Springs, SD 57747

Dear Mr. Baird:

Enclosed is a copy of Vested Water Right Claim No. 498-2 which will include the well information you were concerned with.

If you have any questions, please contact us.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

Genny McMath  
Natural Resources Analyst  
(605) 773-3352

enclosure



498-2

DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3181

STATE VETERAN'S HOME  
2500 MINNEKAHTA  
HOT SPRINGS SD 57747

NOTICE

RE: Violation of Requirement to Submit 1991 Irrigation Questionnaire

Our records indicate that the 1991 Irrigation Questionnaire has not been submitted for Permit No(s) 498-2. The request for the Questionnaire was dated October 18, 1991. The Water Management Board has directed that owners of water permits who have not submitted the 1991 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning the violation.

The hearing will be held at 9:15 am, March 4, 1992, in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre SD, and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to SDCL 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 498-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner 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.

If the questionnaire(s) is(are) received in this office before the March 4th hearing date, your name will be deleted from the Board agenda.

Very truly yours,

  
Ron Duvall, Natural Resources Engineer IV  
Water Rights Division  
605 773-3352



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3181

February 10, 1992

498-2

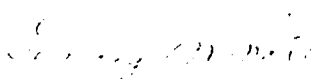
State Veteran's Home  
2500 Minnekahta  
Hot Springs, SD 57747

Dear Sirs:

I am writing to acknowledge receipt of your 1991 irrigation questionnaire for Vested Water Right Claim No. 498-2. You may disregard the January 27, 1992, Notice of failure to submit the 1991 irrigation questionnaire. The questionnaire was received prior to the Water Management Board meeting and your name was deleted from the agenda.

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

Sincerely,

  
Genny McMath  
Natural Resources Analyst  
Water Rights Division

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

STATE VETERAN'S HOME  
2500 MINNEKAHTA  
HOT SPRINGS, SD 57747

4a. Article Number

P 966 557 718

4b. Service Type

- |                                               |                                                         |
|-----------------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Registered           | <input type="checkbox"/> Insured                        |
| <input checked="" type="checkbox"/> Certified | <input type="checkbox"/> COD                            |
| <input type="checkbox"/> Express Mail         | <input type="checkbox"/> Return Receipt for Merchandise |

7. Date of Delivery

Jul 29 1992

5. Signature (Addressee)

6. Signature (Agent)

*R. W. [Signature]*

8. Addressee's Address (Only if requested and fee is paid)

SOUTH DAKOTA

VESTED WATER RIGHT CLAIM NO. 498-2

Date of Receipt of Claim October 1, 1958.

Date of Validation May 6, 1992.

The Water Management Board validated Vested Water Right Claim No. 498-2 for the S D State Veterans Home, 2500 Minnehakata Ave, Hot Springs SD 57747 with the following limitations, conditions and qualifications:

1. Vested Water Right No. 498-2 appropriates 1.10 cubic feet of water per second (cfs) from two wells located in the SW 1/4 Section 14; for institutional purposes and to irrigate 21 acres located in the SE 1/4 SW 1/4 and the W 1/2 SW 1/4 Section 14; all in T7S-R5E.
2. The appropriation may not exceed the amount of water needed for beneficial use for irrigation and institutional purposes. The appropriation may not exceed 3 acre feet per irrigated acre per year. Water is to be used during the following annual period:  
January 1 - December 31.
3. The priority dates of the Vested Water Right are:  
0.44 cfs - January 1, 1889  
0.66 cfs - January 1, 1950.
4. The water use system has been constructed and water has been applied to beneficial use.
5. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

WATER MANAGEMENT BOARD

By: \_\_\_\_\_

  
Chief Engineer

JUN 29 1992

\_\_\_\_\_  
date

Division of Water Rights  
Dept. of Environment and Natural Resources

STATE OF SOUTH DAKOTA

VESTED RIGHT WATER LICENSE NO. 498-2  
FOR IRRIGATION AND INSTITUTIONAL PURPOSES

(1) The SD State Veterans Home of 2500 Minnehahata Ave., Hot Springs, SD 57747 made Application No. 498-2, October 1, 1958 for validation of a vested right claim to appropriate 1.10 cubic feet of water per second from groundwater (two wells), Fall River County, South Dakota for irrigation and institutional purposes. Vested Water Right No. 498-2 was validated May 6, 1992 with priority dates of January 1, 1889 and January 1, 1950. Construction of the described water supply system and application of water to beneficial use has been completed and complies with applicable provisions of South Dakota State Law.

The original water license, dated November 19, 1958, incorrectly described the location of the diversion points. The wells were described as being in Section 15, T7S, R5E. The wells are actually located in the SW 1/4 Section 14 (at the site of the State Veterans Home).

A June 1, 1989, inspection of the water use system found the claim has not changed since it was filed and the wells have always been located in the SW 1/4 Section 14. The vested right claim has been validated and the water license is now being reissued to correct the diversion point locations.

(2) The applicant is entitled to divert 1.10 cubic feet of water per second for beneficial use. The location of the diversion points are located in the SW 1/4 Section 14, T7S, R5E

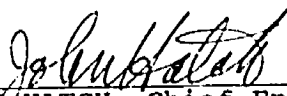
The location of the 21 irrigated acres are in the:

N 1/2 SE 1/4 SW 1/4

S 1/2 NW 1/4 SW 1/4

N 1/2 SW 1/4 SW 1/4 all in Section 14, T7S, R5E

(3) Pursuant to Section 46-5-30.1 the SD State Veteran's Home of 2500 Minnehahata Ave., Hot Springs, SD 57747 the holder(s) and/or owner(s) of Vested Water Right No. 498-2 is issued a license to appropriate 1.10 cubic feet of water per second from groundwater (two wells) with priority dates of January 1, 1889 for 0.44 cfs and January 1, 1950 for 0.66 cfs from the location specified in (2) of this license. The water is to be used for the purpose of irrigation and institutional use. This license is subject to any limitations, conditions or qualifications listed in Vested Water Right No. 498-2 and subject to South Dakota State Law.

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

JUN 29 1992



JUN 29 1992

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

SD State Veterans Home  
2500 Minnehahata Ave  
Hot Springs SD 57747

Dear Sir:

The Water Management Board has validated the enclosed Vested Water Right No. 498-2. This validation gives legal status to the claim and is the final document for your vested right. Enclosed is the reissued water license which reflects the correct location of the points of diversion.

As long as you use the water beneficially, as stated in the validation, State Water Laws provide that you have a continuing right to use the water.

Very truly yours,

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

enclosure

498-2



United States Department of the Interior

BUREAU OF RECLAMATION

## Great Plains Region

Belle Fourche Projects Office

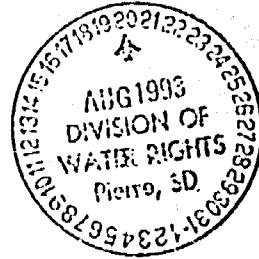
P.O. Box 226

Newell, South Dakota 57760-0226

1997-1998  
1998-1999

WTR 4.10  
BF-430

AUG 18 1993



Mr. John Hatch, Chief Engineer  
Water Rights Division  
South Dakota Department of Water and Natural Resources  
523 E. Capitol  
Pierre SD 57501-3181

Subject: Vested Water Right Claims in Western South Dakota (Your Letter:  
Dated April 20, 1993) (Water Rights)

Dear Mr. Hatch,

We have reviewed the vested water right claims located in Perkins, Pennington, Fall River, and Butte Counties as listed in your letter dated April 20, 1993. We have also discussed these rights with contract water users. We appreciate the assistance of your staff in providing documentation of inspections and validation proceedings for specific claims as we requested.

We are satisfied with all of the actions taken by the board. Our intent in opposing validation of the water rights was to assure that all of the rights were reviewed prior to validation. That review has been completed by your staff. Thank you for notifying us of the board's actions and extending the opportunity to reconsider the actions if it would have been deemed necessary. We understand that future notification will be made in advance of board actions.

If we can be of further assistance, please contact Craig Kjar or me at (605) 456-2695.

Sincerely,

Bruce M. Laymon  
Project Manager

cc: Mr. Joe Kramer, Manager  
Angostura Irrigation District  
PO Box 346  
Gral SD 57766

Mr. James E. Winterton, Project Manager  
Belle Fourche Irrigation District  
PO Box 225  
Newell SD 57760



498-2

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

February 24, 1997

2173-2  
498-2

Ron Sibal  
Military & Veterans Affairs  
2500 Minnekahta  
Hot Springs, SD 57747

Dear Mr. Sibal:

I am contacting you in follow-up to our February 7, 1997, telephone conversation regarding the 1996 irrigation questionnaire for Water Permit No. 2173-2.

During our conversation, I realized that you had already reported irrigation data for 1996. The information was written on the questionnaire for Vested Water Right No. 498-2, listed under "State Veteran's Home". I apologize for the misunderstanding and have corrected our files. You may disregard the February 4, 1997, Notice of Violation of Water Permit No. 2173-2.

You also indicated the well authorized under No. 2173-2 was not constructed and you no longer intend to develop that system. Water Permit No. 2173-2 will be scheduled for cancellation consideration at a later date. You will be notified of the time, date and place of the hearing once it is scheduled.

Enclosed is a partially completed "Notice of Transfer of Ownership" form for use in changing the name on No. 498-2 from the State Veteran's Home to the Department of Military and Veteran's Affairs. Please review the form for accuracy and make any necessary corrections or additions. Upon completion, please sign the form in the presence of a notary public and return it to our office.

Thank you for calling; and if you have any questions, please contact me.

Sincerely,

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

enclosure

498-2

| SENDER: COMPLETE THIS SECTION                                                                                                                                                                                                                                                                                                    |  | COMPLETE THIS SECTION ON DELIVERY                                                                                                                                                                                                                                                                                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul> |  | <p>A. Received by (Please Print Clearly) <u>R. Long</u> B. Date of Delivery <u>1-22-07</u></p> <p>C. Signature <u>X R Long</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br/>If YES, enter delivery address below:</p> |  |
| <p>1. Article Addressed to:</p> <p>STATE VETERAN'S HOME<br/>RON SIBAL<br/>2500 MINNEKAHTA<br/>HOT SPRINGS SD 57747 1199</p>                                                                                                                                                                                                      |  | <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>                                                                  |  |
| <p>2. Article Number (Copy from service label)</p> <p><u>7000 0600 0026 9814-2966</u></p>                                                                                                                                                                                                                                        |  | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>                                                                                                                                                                                                                                                                                                 |  |



498-2  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 19, 2001

NOTICE

TO: STATE VETERAN'S HOME, RON SIBAL, 2500 MINNEKAHTA, HOT SPRINGS, SD 57747

FROM: Ron Duvall, Natural Resources Engineer  
for Garland Erbele, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2000 Irrigation Questionnaire(s)

Our records indicate that the 2000 Irrigation Questionnaire has not been submitted for Permit No(s) 498-2. The request for the Questionnaire was dated October 20, 2000. The Water Management Board has directed that owners of water permits who have not submitted the 2000 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at 10:00 am, March 7, 2001, in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 498-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner 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.

If the questionnaire(s) is(are) received in this office on/or before March 2, 2001, your name will be deleted from the Board agenda. If you have any questions or need assistance with completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

**Note:** Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 24, 2001

498-2

Frank Foster  
State Veteran's Home  
2500 Minnekahta  
Hot Springs, SD 57747

Dear Mr. Foster:

I am writing to acknowledge receipt of your 2000 irrigation questionnaire. You may disregard the January 19, 2001, "Notice" concerning reporting requirements for Water Right No. 498-2.

I completed a questionnaire for you based on our January 24<sup>th</sup> telephone conversation. As you requested, I have changed the contact person from Ron Sibal to your name for future correspondence.

The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda. Thank you for calling and if you have any questions, please contact me.

Sincerely,

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

Ken Yule  
Physical Plant Director  
Irrigated 

SOUTH DAKOTA STATE VETERANS HOME  
HOT SPRINGS, SOUTH DAKOTA



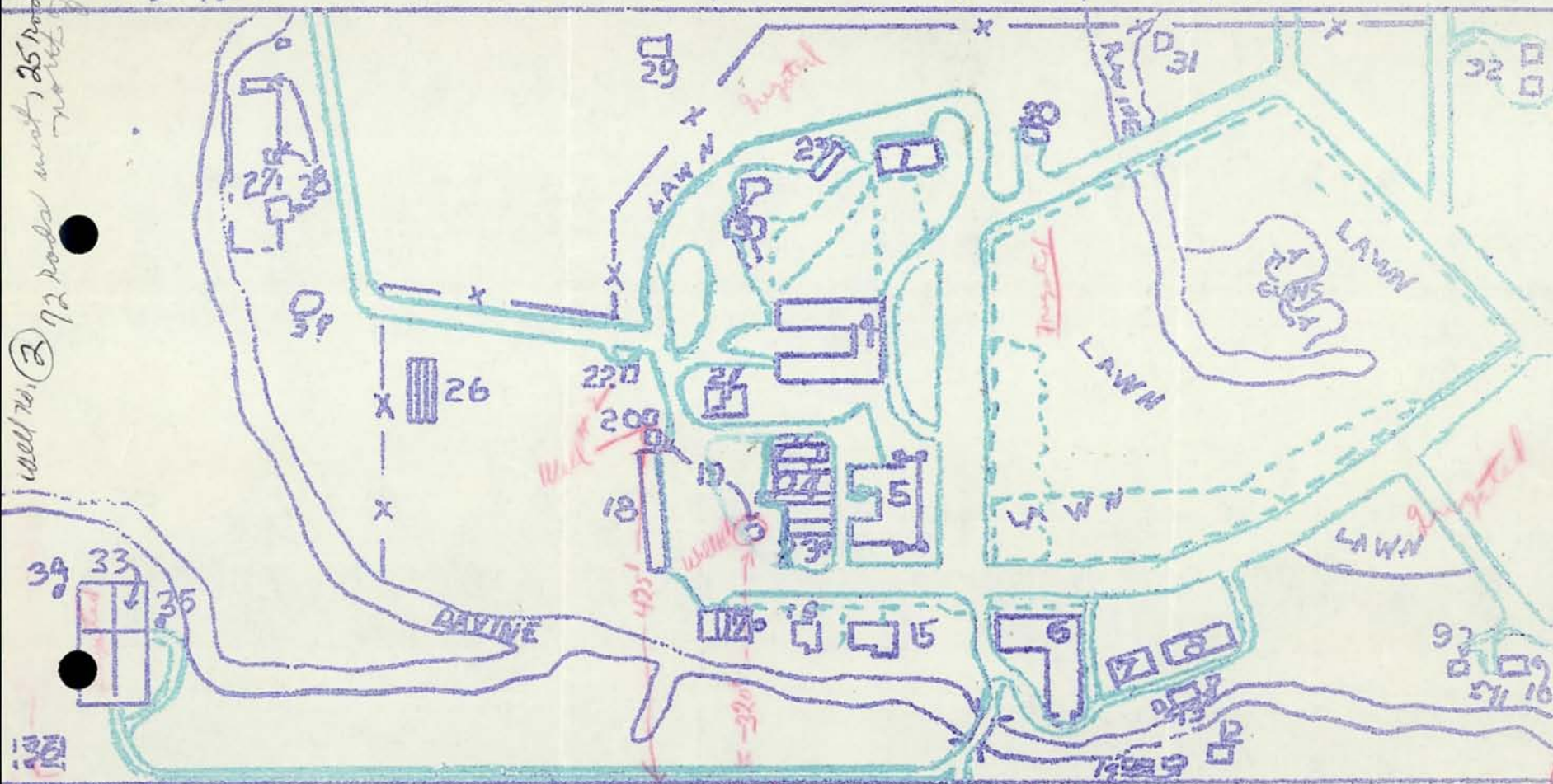
1. Building 1
2. Building 2
3. Building 3
4. Building 4
5. Superintendent's Residence
6. Garage
7. Water Tower
8. Barn
9. Paint House
10. Pump House
11. Equipment Garage
12. Shop Building
13. Boiler Plant
14. Employee Residence
15. Laundry/Commissary
16. Pump House
17. Canyon Cottages
18. Employee Residence
19. Employee Residence
20. Garage
21. Employee Residence
22. Tunnel Enclosure
23. Enclosed Walkway
24. Enclosed Walkway

Appl. No. 498-2

HOSPITAL  
S VPT. HOME  
EMPLOYEES APT.  
WOMENS BLDG  
MENS OLD BLDG  
MEMS NEW BLDG  
EMPLOYEES HOME  
EMPLOYEES HOME

10 EMPLOYEE HOME  
10 EMPLOYEE HOME  
11 OUTDOOR TOILET  
12 SHACK  
13 OUT BLDG.  
14 SHACK  
15 EMPLOYEES APTS  
16 ENGINEERS HOME

17 BOILER ROOM AND COAL STORAGE  
18 GARAGE  
19 PUMP HOUSES NO. 1 AND NO. 2  
20 PAINT HOUSE  
21 OLD BAKERY  
22 CREAMERY  
23 LAUNDRY  
24 SHOP AND STORAGE



26 COMMISSARY  
26 BARN  
27 HOG LOT  
28 HOG HOUSES  
29 OLD BARN  
30 ADJ. HOME  
31 SHACK

32 EMPLOYEES HOMES  
32 CEMETERY  
34 WATER STORAGE  
35 TOOL SHED  
36 TRANSFORMER  
37 WATER TANK  
CAP. 100,000 GAL.

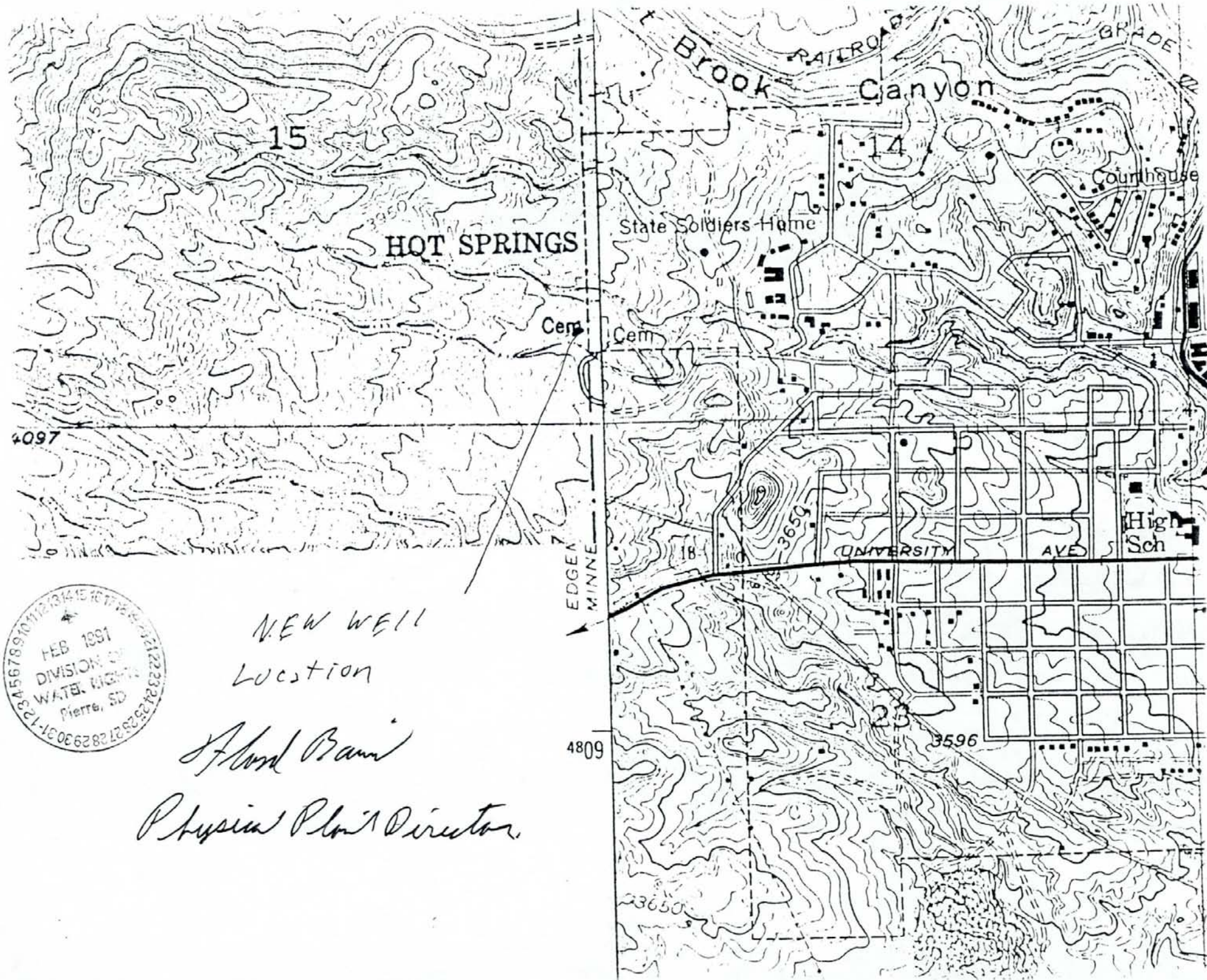
SOUTH DAKOTA  
STATE SOLDIERS  
HOME SCALE 1"=200'0"

DRIVE - - - - SIDEWALK

Appl. #

Well 14, 2 1/2 rods west, 25 rods north  
19 rods north of  
No. 1 - 63 1/2 rods west of SW Corner Sec 14 - Twp 7  
# 498-2, State Soldiers Home





NEW WELL  
Location

*Alfred Bann*  
Physician Plant Director

498-2

Michael J. Fitzmaurice  
**South Dakota Veterans Home**  
2500 Minnekahta Avenue  
Hot Springs, South Dakota 57747 1-605-745-5127



RECEIVED

JUN 27 2012

WATER RIGHTS  
PROGRAM

*"We dedicate ourselves to the considerate care of our veterans just as totally as they have been committed to the security of our Nation and our liberties".*

Eric Gronlund  
DENR -Water Rights  
523 E Capitol Ave  
Pierre, SD 57501

26 June 2012

Subject: Permit to Drill New Domestic Water Well

We are requesting a permit to drill a new water well here on the South Dakota State Veterans home. The well would be drilled within 10 - 20 feet of the original well. Our current well has had a history of problems with the existing casing and we are concerned that if we try to pull this well to replace the pump we will lose the pump.

We currently have two wells here at the state home for redundancy. We only operate one well at a time. The wells are used to provide domestic water for the entire Veterans Home and for irrigation of the campus grounds.

After drilling a new well we would connect it to our water distribution system and we would then continue to use the old well but would dedicate it to the irrigation system for watering the grounds. We would not use any more water than we currently do but we would have dedicated wells for domestic use and we would isolate our irrigation system.

If you have any questions please contact me or our Office Of State Engineer James Kliwer, project engineer at 773-3466.

A handwritten signature in brown ink that reads "Greg Frohman".

Gregory L. Frohman  
Physical Plant Manager  
South Dakota State Veterans Home  
605-745-5127 ext443, C605-890-212

Mail to:  
PMB 2020  
DENR - Water Rights  
523 E Capitol Ave  
Pierre, SD 57501-3182  
ph. (605) 773-3352

(office use only)  
No. \_\_\_\_\_ Hydrologic Unit \_\_\_\_\_  
Basin \_\_\_\_\_  
Newspaper \_\_\_\_\_

RECEIVED

JUN 27 2012

WATER RIGHTS  
PROGRAM

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

### Check use(s) of water:

- |                                                 |                                           |                                          |                                                   |
|-------------------------------------------------|-------------------------------------------|------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Municipal              | <input type="checkbox"/> Suburban Housing | <input type="checkbox"/> Recreational    | <input checked="" type="checkbox"/> Institutional |
| <input type="checkbox"/> Rural Water System     | <input type="checkbox"/> Commercial       | <input type="checkbox"/> Fish & Wildlife | <input type="checkbox"/> Geothermal Heat          |
| <input type="checkbox"/> Domestic (over 18 gpm) | <input type="checkbox"/> Industrial       | <input type="checkbox"/> Other _____     |                                                   |

### Type of Application:

(check one)

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

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

1. Name of Applicant South Dakota State Veterans Home Phone 605-745-5127, x443  
 (check one) ☒ Owner ☐ Tenant/lessee

Mailing Address 2500 Minnekahta Ave Hot Springs SD 57747  
 (Address) (City) (State) (Zip Code)

2. Amount of water claimed \_\_\_\_\_ \*CFS or 225 \*\*GPM \*\*\*AF  
 (\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*)Acre Feet - storage capacity of dam/dugout or annual use if applicable

3. Source of water supply Ground Water

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Fall River

N1/2-SW1/4 SW1/4 - T75-R5E-SEC14

5. County or counties where water will be used Fall River

6. Annual period during which water is to be used Year around

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

We are requesting to drill a new well. Our original well was drilled in approximately 1950. We would like to drill a new well within 10' of our original well. Our current water right number is 498-2. Our EPA ID # is 0055. This well along with our other well will provide domestic water to the South Dakota State Veterans Home. We are requesting to drill rather than repair because of the history of the existing casing.

STATE OF SOUTH DAKOTA )  
 County of Fall River ) SS

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

I, Greg Frohman, Physical plant, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature

Greg Frohman

before me this 26 day of June 20 12

Subscribed and sworn to  
 Andrea C. Kramer  
 Notary Public  
 SEAL  
 South Dakota

Andrea C. Kramer

Notary Public signature

## Supplemental Information

(type or print in ink)

## 1. Well Information - Proposed Construction

- a) Drill Hole Diameter 8" Depth 250ft
- b) Casing Type metal Diameter 6" Thickness \_\_\_\_\_
- c) Screen Type \_\_\_\_\_ Diameter \_\_\_\_\_ Thickness \_\_\_\_\_
- d) Gravel Pack \_\_\_\_\_ Length of Gravel Pack \_\_\_\_\_
- e) Depth to Top of Water Bearing Material \_\_\_\_\_
- f) Depth to Water (ground surface to water level) 250ft
- g) Distance to nearest existing domestic well:
- On applicant's property \_\_\_\_\_ On property owned by others \_\_\_\_\_

## 2. Wastewater Disposal System Information

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

## 3. Dugout Information

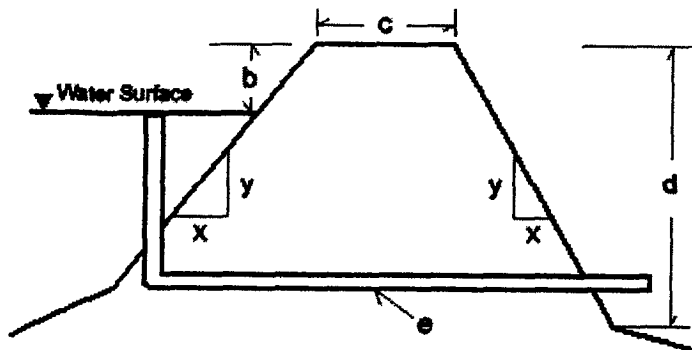
- a) Surface Dimensions \_\_\_\_\_ Depth \_\_\_\_\_
- b) Depth to water (ground surface to water level) \_\_\_\_\_

## 4. Water Storage Dams

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

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

- b) Freeboard \_\_\_\_\_
- c) Crest Width \_\_\_\_\_  
Crest Length \_\_\_\_\_
- d) Height \_\_\_\_\_
- e) Primary Outlet Capacity \_\_\_\_\_  
If pipe, diameter \_\_\_\_\_
- f) Secondary Spillway Capacity \_\_\_\_\_  
Spillway Width \_\_\_\_\_
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_
- h) Surface Area of Impoundment \_\_\_\_\_
- i) Storage \_\_\_\_\_ Acre Feet
- j) Drainage Area Above Dam \_\_\_\_\_ Acres



**Work Request Form**  
**Office of the State Engineer**

Request Delegation to Institution? ☐ Yes ☒ No  
Does Institution Intend to Design? ☐ Yes ☒ No  
Is this a Revised Work Request? ☐ Yes ☒ No  
If Revised, include original OSE # \_\_\_\_\_

OSE# N1812--03X/SWMR

1. Agency Name: DMVA
2. Program or Institution Name: SD Veterans Home
3. MSA Agency Center Code to be billed by State Engineer: \_\_\_\_\_
4. Project Funding: Please indicate the project's sources of funding by listing each one as general, HEFF, Bond, SLB, Federal, or other. (The grant or dedicated revenue name should be indicated for federal and other sources). Work Request will be returned if information is incomplete.

Source  
General: SWMR

Fiscal  
Year  
2012

Dollar  
Amount  
\$60,000

Federal: ( \_\_\_\_\_ )

HEFF: \_\_\_\_\_

Other: ( \_\_\_\_\_ )

| OFFICE OF THE STATE ENGINEER |          |
|------------------------------|----------|
| Route                        | Filing   |
| KBC ✓                        | Prelim   |
| JK ✓                         | Corr     |
| KH ✓                         | RFI/RFP  |
| MT ✓                         | Contract |
|                              | Voucher  |
|                              | Testing  |
|                              | Shop     |
|                              | Spec     |
| RECEIVED<br>PIERRE, SO. DAK. |          |

5. Project Type: New Construction: ☒ Renovation: ☐ M/R: ☐ Information: ☐ Other: ☐
6. Project Location - Building Name: Building 16, Pump house 1
7. Work Description: Replace well #1
8. Project Location - Institution City: Hot Springs, SD

9. What type of construction is required? Check all types that apply and estimate the percentage of each type.

|                                                                    |                                                                         |                                                          |
|--------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|
| <input type="checkbox"/> Architectural Construction _____ %        | <input type="checkbox"/> Structural Construction _____ %                | <input type="checkbox"/> Electrical Construction _____ % |
| <input type="checkbox"/> Roof Construction _____ %                 | <input checked="" type="checkbox"/> Mechanical Construction <u>25</u> % | <input type="checkbox"/> Other Construction _____ %      |
| <input checked="" type="checkbox"/> Civil Construction <u>75</u> % | <input type="checkbox"/> Asbestos _____ %                               |                                                          |

10. Where should OSE send Vouchers for Payment? BOA

**RECEIVED**

11. Does your agency plan to do the construction with agency labor? ☐ Yes ☒ No

**JUN 27 2012**

12. Will this project involve Computer/Phone Cabling? ☐ Yes ☒ No

**WATER RIGHTS PROGRAM**

13. Please describe the project size and scope, indicating whether it will be a study, preparation of a cost estimate, or full design and construction: Drill a new well as a replacement for Well #1 and connect to the existing water control system.

Existing well was drilled in late 1800's. Pump apparently cannot be pulled without damage to pump and/or casing which would render it useless. Will continue to use well until failure but have new well as backup.

14. Please indicate the desired project completion date: August 31, 2012

15. Project Contact Person:

Name: Greg Frohman

Address: 2500 Minnehahata Ave  
Hot Springs, SD 57747-1199

Phone: 605-745-5127

16. Priority status of this project within your agency's current project listing: High

Your agency's project number, if any: \_\_\_\_\_

17. Institution Signature for Authorization:

Signature

Date

18. Agency Secretary, Commissioner, or Executive Director Signature required below:

For projects of \$1.5 million or more, attach a copy of Legislative appropriation and/or approval of Board or Commission.

[Signature]  
Signature

3-27-12  
Date



RECEIVED  
JUN 27 2012  
WATER RIGHTS  
PROGRAM

well  
location



Well location

**Request for Additional Diversion Point**

---

**NAME:** South Dakota Veterans Home**ADDRESS:** 2500 Minnehahata Avenue, Hot Springs SD 57747**DATE:** July 6, 2012 **COUNTY:** Fall River **TELEPHONE:**

Vested Water Right No. 498-2 appropriates 1.10 cubic feet of water per second (cfs) from two wells completed into the Minnelusa Formation located in the SW ¼ Section 14, T7S, R5E. The water is used for irrigation of 21 acres around the facility and for institutional purposes. The vested water right has a priority date of January 1, 1889 for 0.44 cfs and January 1, 1950 for 0.66 cfs.

The Veterans Home has filed a request to drill a new well within 10 – 20 feet of the original well. The current well (known as No. 1) has a history of problems with the casing and they have concern that in trying to pull the pump for the purpose of replacing the pump may result in further failure of the well.

The request states the home currently uses two wells for redundancy purposes as only one well is in operation at a time. If approved the new well and the existing well (known as No. 2) will be connected to the home's water distribution system and Well No. 1 will be dedicated to the irrigation system for watering the grounds. When Well No. 1 fails it will be abandoned and the two other wells will be used to serve both the irrigation and institutional uses.

**AUTHORITY:**

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

The water source remains the Minnelusa Aquifer. The Home's current wells are approximately 250 feet deep and the request states the new well will also be 250 feet in depth. No additional water is to be appropriated by this request. The wells authorized by Water Right No. 498-2 appropriates 1.1 cfs (500 gpm). The submitted request reflects the new well will be capable of producing 225 gpm but no additional diversion rate authority is requested.

- **Review of Existing Diversions (see map)**

The Water Rights Program's database of well completion reports was reviewed for wells between 200 feet and 700 feet deep within a two mile radius. This is a highly developed area around Hot Springs

and there are approximately 53 domestic wells within this area. The closest neighboring domestic well is approximately 1,700 feet to the south.

There are three water rights within a two mile radius of the Veteran Home's wells. They are shown in the table below.

| Water Right         | CFS      | Use                 | Depth  | Distance from Veteran Home  |
|---------------------|----------|---------------------|--------|-----------------------------|
| 1704-2              | 0.2 cfs  | Housing development | 501 ft | 7,480 feet to the southwest |
| 1721-2              | 0.02 cfs | Irrigate 1.7 acres  | 220 ft | 1,750 feet to the east      |
| 2652-2 &<br>2652A-2 | 0.22 cfs | Industrial          | 400 ft | 5,180 north-northeast       |

A past report (Buhler 2011) for Permit Application No. 2652A-2 which is about a mile to the north concluded that an additional well will not unlawfully impair existing rights and will not adversely affect spring discharge or streamflow. The potential for interference should be indistinguishable whether pumping from one well or two.

The extreme close proximity of the additional new well and the failing Well No. 1 may result in interference. However, since they are both held by the Veterans Home this becomes a management decision by the water right holder. It appears the new well is being requested in preparation that Well No. 1 will fail in the future.

### **CONCLUSION**

- The additional well does not appropriate additional water.
- The additional well is to be completed into the Minnelusa Aquifer.
- Interference is not expected to be a concern.
- Existing domestic wells will not be adversely impacted by authorizing this additional well.
- The Veterans Home will continue to use Well No. 1 until its failure but will have the new well in place as a backup until that failure occurs.

### **RECOMMENDED ACTION**

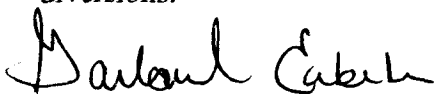
Based on the above criteria, it is recommended that the additional diversion point be authorized pursuant to SDCL 46-5-13.1.



Eric Gronlund, Natural Resources Engineer  
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This additional diversion point does not increase the potential for adverse effects to existing diversions.



Garland Erbele, Chief Engineer  
Water Rights Program



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov

July 9, 2012

Greg Frohman  
South Dakota State Veterans Home  
2500 Minnekahta Avenue  
Hot Springs SD 57747

Dear Mr. Frohman:

I am writing in regard to a request for an additional diversion point for Water Right No. 498-2.

Vested Water Right No. 498-2 appropriates 1.10 cubic feet of water per second (cfs) from two wells completed into the Minnelusa Formation located in the SW ¼ Section 14, T7S, R5E. The water is used for irrigation of 21 acres around the facility and for institutional purposes. The vested water right has a priority date of January 1, 1889 for 0.44 cfs and January 1, 1950 for 0.66 cfs.

Upon review of the request and pursuant to SDCL 46-5-13.1, the additional well is authorized without application or publication of a notice of hearing.

No additional appropriation above the amounts authorized by Water Right No. 498-2 is authorized. If more than 1.1 cfs (500 gpm) is diverted from the three wells a new water right permit is required. It is DENR's understanding that this new well and Well No. 2 will be used alternating and the failing Well No. 1 used for irrigation of the grounds. The original Well No. 1 will continue to be used until its failure but the Veterans Home wants to have this new well in place as a back-up. When Well No. 1 fails and is abandoned it must be plugged in accordance with well construction standards. At that time this new well and Well No. 2 will be maintained to serve for institutional and irrigation purposes.

Well No. 1 and this new well will be in very close proximity to each other. Pumping both at the same time may result in interference. However, DENR views the operation of these two wells as a management issue for the Veterans Home.

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

Sincerely,

Garland Erbele, Chief Engineer  
Water Rights Program

Daily Drilling Operations  
Replacement Well for Well #1  
South Dakota Veterans Home

Contractor: Rapid Drilling

| Date      | Operations                                                                                                                                                                                                                                                            |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/20/2014 | Moved rig on to location, okayed well spot with onsite personnel from maintenance.                                                                                                                                                                                    |
| 3/21/2014 | 10:00 Am, set flow diverter and started drilling 7 ½" test hole.                                                                                                                                                                                                      |
| 3/24/2014 | Depth 120', resumed drilling, Drilled to 240' blew air line hose, 1 gpm water at 235'.                                                                                                                                                                                |
| 3/25/2014 | Depth 240', repaired air line, resumed drilling, shut down due to blasting for ¼ hrs., resumed drilling, at proposed depth of 250', only making about 5 gpm of water, main water zone not yet drilled, continued drilling to 300', est. production over 50 to 60 gpm. |
| 3/26/2014 | Depth 300', serviced rig, tripped out of hole with drill pipe and hammer, ran electric log, shut down, waiting on orders.                                                                                                                                             |
| 3/27/2014 | Depth of test hole 300', rigged up 13 ¼" hole reamer to begin drilling out well bore for production well completion.                                                                                                                                                  |
| 3/28/2014 | Depth 24', continued drilling, shut down for blasting in area, resumed drilling, shut down to repair belts on rig compressor, resumed drilling.                                                                                                                       |
| 3/29/2014 | Depth 33', reinstalled diverter and blow line, resumed drilling.                                                                                                                                                                                                      |

|           |                                                                                                                                                                                                                          |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/30/2014 | Depth 42', blizzard conditions, shut down.                                                                                                                                                                               |
| 3/31/2014 | Depth 42'', still waiting on weather.                                                                                                                                                                                    |
| 4/1/2014  | Depth 42', resumed drilling, slow drilling in the Minnekahta limestone.                                                                                                                                                  |
| 4/2/2014  | Depth 57', resumed drilling, roads bad, late start.                                                                                                                                                                      |
| 4/3/2014  | Depth 112', drilling in Opeche better penetration rate.                                                                                                                                                                  |
| 4/4/2014  | Depth 155', switched from dry air to foam drilling to clean well bore, good penetration rate.                                                                                                                            |
| 4/5/2014  | Depth 227', drilling with foam, drilled to 255' with 13 1/4" reamer, preparing to run 8 5/8" production casing.                                                                                                          |
| 4/6/2014  | Depth 255', shut down for weekend.                                                                                                                                                                                       |
| 4/7/2014  | Depth 255', ran 12 joints of 8 5/8" new range 1 steel casing, 253' set at 250' below ground level, grouted through casing, pumped 160 sks of neat cement, no additives, pressured up to 600 psi before totally displaced |
| 4/8/2014  | Depth 255', checked cement top, and trimmed 90 sks of neat cement in annulus to fill to pitless adapter depth. Welded on flow line.                                                                                      |
| 4/9/2014  | Depth 255', drilled out 90' of cement In casing, re-drilled to bottom of original test well depth at 300', well producing about 75 to 80 gpm with air lifting.                                                           |
| 4/10/2014 | Depth 300', reviewed well log data from nearby test well, decided to                                                                                                                                                     |

drill an additional 10' of well bore to fully penetrate the indicated sand section, well began producing over 100 gpm with air lifting. Tipped out drill pipe, re-ran electric log to bottom of well, Well TD 310' driller.

4/11/2014

TD 310', rigged down and demobilized equipment.

4/12/2014

Cleaned location, piled well cuttings near well head for possible use as bedding material for production line to water main. Waiting on completion orders. The electric log indicates the static water level at 190 feet below ground level.

Replacement Test Well for Well No. 1

State Veterans Home

Sample Descriptions

(samples were not lagged, air drilling)

|         |                                                                                                                                 |
|---------|---------------------------------------------------------------------------------------------------------------------------------|
| 0 – 1   | Top soil                                                                                                                        |
| 1-10    | Ls, pnk , m-xln, no porosity                                                                                                    |
| 10-20   | Ls, pnk to gry-pink, m-xln, no porosity                                                                                         |
| 20-30   | Ls, pnk to some maroon, gry-pnk, m-xln to some more xln, no porosity                                                            |
| 30-40   | Ls, pnk to marron, AA, mostly m-xln, some sl m-grn, no vis porosity                                                             |
| 40-50   | Sh, lt red-org, silty, mod soft                                                                                                 |
| 50-60   | Sh, red-org, v silty with some SS, vfgrn, hd, no vis porosity                                                                   |
| 60-70   | Sh, red-org, less silty TA, mod hd                                                                                              |
| 70-80   | SH, red-org, v silty, much less hd TA, some SS vfg, no vis porosity                                                             |
| 80-90   | Sh, lt org, silty AA, soft AA                                                                                                   |
| 90-100  | Sh, red-org, silty AA, soft AA, no porosity                                                                                     |
| 100-110 | Sh, red-org, AA                                                                                                                 |
| 110-120 | SS, pnk to amber, ang to sub-rnd, friable, some cmt, poorly sorted, likely f porosity,<br>Dry                                   |
| 120-130 | SS, red-org to amber, v friable, poorly sorted, clr to frosted grn, ang to sub-rnd, AA,<br>some lg grns, well rnd, dry          |
| 130-140 | SS, red-org, mostly f grn, less friable TA, still some frosted and well rnd grn, dry                                            |
| 140-150 | SS and silty clay, red-org, vf grn, ? porosity, slightly damp, no water                                                         |
| 150-160 | SS, red-org, some silty, AA, mostly f grn, mostly ang to sub-rnd, some frosted well<br>rnd grns, slightly more cemented TA, dry |
| 160-170 | SS, lt org, v friable, mostly loose grns, poorly sorted, ang to some well rnd, clr to frosted                                   |

grns, should be good porosity, dry

- 170-180 SS, lt org, v friable AA, poorly sorted, amber to frosted grns, ang to sub rnd, AA, dry
- 180-190 SS, red-org, silty in part, mostly f grn, less porosity TA, still poorly sorted, ant to sub-rnd  
grns, some frosted to well rnd lg grns, dry
- 190-200 SS, red-org to lt org, friable, more m grn TA, sl more rnd TA, ang to sub-rnd, some clr and  
frosted grns, dry
- 200-210 SS, red-org to lt org, AA, mostly amber to frosted grn, f to m grn, still poorly sorted, dry
- 210-220 SS, red-org, mostly f grn, less friable TA, mostly sub-rnd, ? porosity, dry ?
- 220-230 SS, red-org to lt org, better sorting, f to m grn, still amber to frosted grns, mostly sub-  
rnd, AA
- 230-240 SS, red-org to lt org, calc cemented clusters, mostly f grn, dk amber to frosted grns,  
appear to be saturated, likely poor porosity
- 240-250 SS, lt org, calc cementing AA, mostly f grn, amber to clr frosted grn, ? porosity
- 250-260 SS, lt org, calc cementing may be more TA, clusters appear to have some inter-grn  
porosity, amber to frosted grns, mostly f to m grn
- 260-270 Ls, wht to gry, m-xln, ? porosity, SS, lt org, AA
- 270-280 SS, lt org to amber, calc cementing, ang to sub-rnd, mostly f grn, poorly sorted, ?  
porosity
- 280-290 SS, lt-org, calc cementing, more friable TA, mostly f grn, ang to sub-rnd,  
Sh, dk red, ang to blocky, hd, sl calc, small portion of sample
- 290-300 SS, lt-org, less calc cementing TA, f to m grn, poorly sorted, prob f porosity,  
Ls, buff wht, m-xln, small part of sample
- 300-305 SS, lt org to amber, frosted to amber grn, fairly friable, probable good porosity, poorly  
sorted, f to m grn
- 305-310 Ls, gry-wht, some buff, mostly xln to m-xln, some chert, red-maroon, no porosity,  
SS, lt org, AA, less friable

# Abbreviations used above

SS sandstone

Sh shale

Ls limestone

pnk pink

org orange

gry gray

blk black

brn brown

dk dark

lt light

rnd rounded

grn(s) grain(s)

xln chrystalline

f fine

m medium

lg large

sl slightly

ang angular

v very

AA as above

TA than above

498-2

# SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW 1/4 SW 1/4 Sec 19 Twp 7 S Rg SE

County Fall River

Please mark well location with an "X"

Well completion Date 8-8-14

Distance from nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)  
? N/A ft. from (identify source)

**PROPOSED USE:**  
☐ Domestic/Stock ☒ Municipal ☐ Business ☐ Test Holes  
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

**METHOD OF DRILLING:**  
Air Drilling

**CASING DATA:** ☒ Steel ☐ Plastic ☐ Other  
 If other describe \_\_\_\_\_

| PIPEWEIGHT | DIAMETER | FROM | TO     | HOLE DIAMETER |
|------------|----------|------|--------|---------------|
| LB/FT      | 8 5/8 IN | 0 FT | 253 FT | 13 1/4 IN     |
| LB/FT      | IN       | FT   | FT     | IN            |
| LB/FT      | IN       | FT   | FT     | IN            |

**GROUTING DATA:**  
 Grout Type cement No. of Sacks 210 Grout Weight 0 Lb/gal From 0 Ft To 253 Ft  
 Describe grouting procedure pumped through casing

**SCREEN:** ☐ Perforated pipe ☐ Manufactured  
 Diameter \_\_\_\_\_ Inches Length \_\_\_\_\_ Feet  
 Material \_\_\_\_\_  
 Slot Size \_\_\_\_\_ Set From \_\_\_\_\_ Feet to \_\_\_\_\_ Feet  
 Other information Open hole 253 To 310

**WAS A PACKER OR SEAL USED?** ☐ Yes ☒ No  
 If so, what material? \_\_\_\_\_  
 Describe packer(s) and location \_\_\_\_\_

**DISINFECTION:** Was well disinfected upon completion?  
☐ Yes, How? \_\_\_\_\_  
☒ No, Why Not? Not completed  
 Lab sample sent to for water quality analysis MTC

Well Owner: SOUTH DAKOTA STATE VETERANS HOME

Business Name: \_\_\_\_\_

Address1: HOT SPRINGS SD

Address2: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

**WELL LOG:**

| FORMATION         | DEPTH      |            |
|-------------------|------------|------------|
|                   | FROM       | TO         |
| <u>Minnekahta</u> | <u>0</u>   | <u>44</u>  |
| <u>Opeche</u>     | <u>44</u>  | <u>118</u> |
| <u>Minnelusa</u>  | <u>118</u> | <u>310</u> |
|                   |            |            |
|                   |            |            |
|                   |            |            |
|                   |            |            |
|                   |            |            |
|                   |            |            |

**STATIC WATER LEVEL** 200 FEET  
 If flowing: closed in pressure \_\_\_\_\_ PSI  
 GPM flow \_\_\_\_\_ through \_\_\_\_\_ Inch pipe  
 Controlled by ☐ Valve ☐ Reducers ☐ Other \_\_\_\_\_  
 Reduced flow rate \_\_\_\_\_ GPM  
 Can well be completely shut in? \_\_\_\_\_

**WELL TEST DATA:**  
☒ Pumped Describe: 10 Horse power pump  
☐ Bailed  
☐ Other \_\_\_\_\_

Pumping Level Below Land Surface  
220 Ft. After 2 Hrs. pumped 120 GPM  
 \_\_\_\_\_ Ft. After \_\_\_\_\_ Hrs. pumped \_\_\_\_\_ GPM  
 If pump installed, pump rate: 120 GPM

**REMARKS**  
**RECEIVED**  
**AUG 15 2014**  
**WATER RIGHTS PROGRAM**

This well was drilled under license # 739  
 And this report is true and accurate.  
 Drilling firm: Rapid Drilling LLC  
 Signature of License Representative: \_\_\_\_\_  
 Signature of Well Owner or Equitable Property Holder: \_\_\_\_\_  
 Date: \_\_\_\_\_

Please return White Copy to DENR Water Rights

523 E. Capitol Ave., Pierre SD 57501



498-2  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 15, 2016

**NOTICE**

TO: STATE VETERAN'S HOME, GREG FROHMAN, 2500 MINNEKAHTA, HOT SPRINGS, SD  
57747 1199

FROM: Ron Duvall, Natural Resources Engineer  
for Jeanne Goodman, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2015 Irrigation Questionnaire(s)

Our records indicate your 2015 Irrigation Questionnaire has not been submitted for Permit No(s) 498-2 as required by administrative rule 74:02:01:14.02. The request for the Questionnaire was dated October 23, 2015. The Water Management Board has directed that owners of water permits who have not submitted the 2015 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

The hearing will be held at **Thursday, March 3, 2016 at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 498-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner 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.

If the questionnaire(s) is (are) received in this office before the **March 3, 2016** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

**Note:** Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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

[denr.sd.gov](http://denr.sd.gov)

January 25, 2016

498-2

Tom Inman  
State Veteran's Home  
2500 Minnekahta  
Hot Springs SD 57747 1199

Dear Mr. Inman:

I am writing to acknowledge receipt of your 2015 irrigation questionnaire.

You may disregard the January 15, 2016, "Notice" concerning reporting requirements for Water Right No. 498-2. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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



**DEPARTMENT of AGRICULTURE  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 E. CAPITOL AVE  
PIERRE SD 57501-3182  
danr.sd.gov

January 14, 2025

**NOTICE**

TO: STATE VETERAN'S HOME, TOM INMAN, 2500 MINNEKAHTA AVE, HOT SPRINGS, SD  
57747 1199

FROM: Ron Duvall, Engineer III  
for Eric Gronlund, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2024 Irrigation Questionnaire(s)

Our records indicate your 2024 Irrigation Questionnaire has not been submitted for Permit No(s) 498-2 as required by administrative rule 74:02:01:14.02. The request for the Questionnaire was dated October 23, 2024. The Water Management Board has directed owners of water permits who have not submitted the 2024 Irrigation Questionnaire be given notice of hearing to determine if any Board action is to be taken concerning this issue.

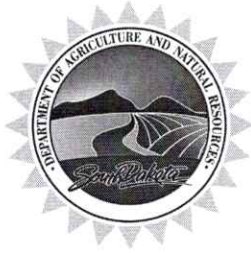
The hearing will be held on **Wednesday, March 5, 2025, at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. Following the hearing, the Water Management Board can:

1. Amend Permit No(s) 498-2 to require the Irrigation Water Use Questionnaire to be submitted each year;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner 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.

If the questionnaire(s) is (are) received in this office before the **March 5, 2025**, hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Amanda Dewell at (605) 773-3352 or email at [amanda.dewell@state.sd.us](mailto:amanda.dewell@state.sd.us). **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: KWQFSZ**

**Note:** Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



**DEPARTMENT of AGRICULTURE  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 E. CAPITOL AVE  
PIERRE SD 57501-3182  
danr.sd.gov

February 11, 2025

498-2

State Veterans' Home  
c/o Tom Inman  
2500 Minnekahta Ave  
Hot Springs SD 57747

Dear Mr. Inman:

I am writing to acknowledge the receipt of your 2024 irrigation questionnaire(s).

You may disregard the January 14, 2025, "Notice" concerning the reporting requirements for Water Permit No(s). 498-2. The information was received prior to the March 5, 2025, Water Management Board meeting and the above listed permit number(s) have been removed from the agenda.

If you have any questions or concerns, please contact me.

Sincerely,

Amanda Dewell  
Permitting Administrator  
Water Rights Program  
605 773-3352  
Amanda.Dewell@state.sd.us