

1. Considered 3-17, 1976 2525-3
2. Name of Applicant NORREL OLSEN
3. Post Office Address ELK POINT
4. Amount of water claimed 2.28
5. Source of water supply GROUND WATER (190' WELL)
6. Water to be used for IRRIGATION
- Acres to be irrigated 160
7. Water to be diverted and used in Union county
about 9N, 1W miles of ELK POINT
8. Proof of Publication Received 3-11-76
Not Received
9. Application Approved
Subject to
Not Approved
Action deferred

10. Remarks:

No. 2525-3Map No. 1896-3 Water Division No. 3 BIG SIOUX RIVER District
(Blanks to be filled by the Engineer for the W. B. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE - Draw a line through items not applicable)

1. Name of Applicant Norrel Quam
 Postoffice address Elk Point, State South Dakota, 57025
 If a corporation show date and place of incorporation None
 2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
 3. Name of diversion work Quam Irrigation Project
 4. Amount of water claimed (cubic feet per second) 2.7 CFS MAXIMUM AVAILABLE
 5. Source of water supply Well
 6. Location of point of diversion 1320 feet West and 1320 feet South of the Northeast
Corner of Section 11, T92N R50W
 County Union
 7. Annual period or periods during which water is to be used June through September
 8. Use to be made of water. (Irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
 9. For irrigation use, Total number of acres to be irrigated 160 acres

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

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
<u>NE 1/4 Section 11, T92N R50W</u>	<u>160 acres</u>		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system five (5) years. Additional time required to complete application of water to the proposed beneficial use five (5) years.
 11. Choice of newspaper for Notice of Intent to Appropriate Water publication Leader-Courier, Elk Point, S. Dak. 57025
 12. Principal Features of the Proposed Water Supply System.

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

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

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$ 10,000.00

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

STATE OF SOUTH DAKOTA)
) s.
 County of Union)

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

Signed Norrel Quam *Subscribed and sworn to before me this 9th day of January, 19 76L. C. J. P. O'Leary Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approve Water Right Application No. 2525-3NORREL QUAM
(Applicant)ELK POINT
(Post Office Address)SOUTH DAKOTA 57025 With the following modifications:
(State)

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application FEBRUARY 4, 1976Date of return to applicant for correction, amendments or changes required —, 19—Date of receipt of corrected application —, 19—Approved MARCH 17, 1976, Recorded in Book 14 Page 309WATER RIGHT PERMIT NO. 2525-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2525-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is FEBRUARY 4, 1976
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before SEPTEMBER 17, 1978
3. The whole of said work is to be completed on or before MARCH 17, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MARCH 17, 1981
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 2.28 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is

actually and beneficially applied for irrigation on or before MARCH 17, 1981; said water to be used during the following described annual period: JUNE THRU SEPTEMBER

Witness my hand this 22ND day of MARCH, 1976

WATER RIGHTS COMMISSION

By:

[Signature]
Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 17, 1979Water License Issued SEPTEMBER 17, 1979

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30 inches, Depth 120 feet
- (2) Casing, Type Transite Diameter 16" I.D. Thickness 3/4 inch
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type 1/8 inch slotted, Diameter 16" I.D., Length 20 feet
- (4) Gravel Pack, Thickness 6-9 inches, Length of gravel pack 20 + feet

E. Dugout Information or Estimates

- (1) Surface dimensions - - - -, Depth - - - -

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

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Water bearing gravels and rock

Depth to top of water bearing material 70 feet

Depth to bottom of water bearing material 190 feet

Thickness of water bearing material 120 feet

Depth to water (ground surface to water level) 14 feet drawdown

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

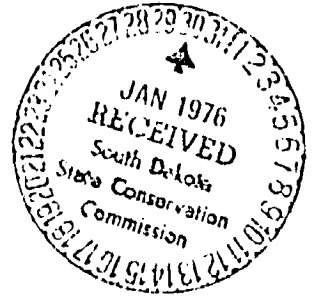
On same owner's property 220 rds. On property owned by others 240 rds.

G. Water Storage Dams.

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

James P. Thomas x
Signature of Applicant

January 27, 1976



Mr. Norrel Quam
Elk Point, SD 57035

Dear Mr. Quam:

The water sample which you submitted here about a week ago has been analyzed. The report of analysis, original copy, is being enclosed for your use and keeping. I am also enclosing a copy of extension circular 654. On the outside back cover of that, I have denoted the approximate quality of this water for irrigation by means of a red cross. You will see that it is in the high salinity, low sodium category.

This classification means that the water has practically no problem with respect to sodium-induced dispersion or loss of soil structure but it has a moderately high hazard of causing a build-up of salt in the root zone of crops, particularly the upper part of the soil profile. This tendency to increase salinity in the upper part of the soil profile is aggravated by irrigation practices in which small quantities are put on and the water is applied frequently. Thus, if you use a sprinkler set-up, you should set it so that it puts on the maximum amount of water which can be stored in the soil each irrigation and you should irrigate as seldom as possible, perhaps as little as 3 times per growing season or even less. If you notice in spite of these practices that salt begins to build up in the soil as indicated by poor crop performance or gray or white crusts on the soil surface, please get in touch with someone in extension service or someone here at the Water Resources Institute for recommendations on management or leaching procedures to reduce the salt damage.

A copy of this letter, and of the water analysis, and the WI-1 form which was received are being sent to the State Conservation Commission for their action.

Sincerely yours,

L. O. Pine

L. O. Pine
Water Quality Lab

LOF:ckb

Enclosures

cc: State Conservation Commission

D. Paul

Louie Desmet, County Extension Agent

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(This Form Required for Proposed Well Irrigation Only)

FOR COMMISSION USE OF
Irrigation System: _____
Water Quality: _____
Soils Capability: _____
Approved: Albert J. [Signature]
Disapproved: _____

NAME: NORRIS QUAM
ADDRESS: ELK POINT SOUTH DAKOTA
COUNTY: ZIMMERMAN

LEGAL DESCRIPTION

1. WELL LOCATION: 1320' West and 1320' South of NE Corner of Sec. 11, T22N, R50W
2. AREA TO BE IRRIGATED: 160 AC. IN. NE 1/4 Sec. 11, T22N-R50W

TYPE OF IRRIGATION

3. GRAVITY SPRINKLER (Indicate Type): SPRINKLER
4. CROPS TO BE IRRIGATED: Oats & Beans

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 0-1%
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: 2M406 - Deep medium

Moderately fine textured, well drained soils developed in loess over glacial till on the uplands. (eventually) these soils are favorable with a 0.5 inch intake. Family - for Irrigation
WATER QUALITY TO BE COMPLETED BY COMMISSION

7. SAMPLE NO.: 76-035
8. SALINITY: EC = 1430 μ mhos/cm (high)
9. SODIUM: SAR = 2.50 (low)
(2.50)

I do hereby certify that a chemical analysis of the ground water to be
acquired for irrigation from South Dakota State University and;
the land capability for irrigation information has been acquired from

S. C. S.

and;

that the legal description for the location of the well and land to be
irrigated is true and correct.

Harrel Deen

Subscribed and sworn before me this

12 day of January 1976.

Robert M. Mac

Notary Public

(Title)

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57006

Submitted by: North Platte
 Address: Box 100, North Platte, ND 58055

Date Rec'd: July 22, 1976
 Sample No.: 76-035
 Identification: Well
117, Box 117, N. Platte, R. 500

WATER ANALYSIS

Calcium (Ca)	180	ppm*	9.00	me/l**
Magnesium (Mg)	50	ppm	4.10	me/l
Sodium (Na)	147	ppm	6.30	me/l
Potassium (K)	22	ppm	0.36	me/l
Sulfate (SO ₄)	510	ppm	10.61	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	29	ppm	0.31	me/l
Bicarbonate (HCO ₃)	337	ppm	5.52	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		g.p.g.***
Hardness (EDTA as CaCO ₃)		ppm		
Alkalinity (Methyl Orange)	276	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1450	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	2.50			
Sodium	20.44	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.10			
Others:				

*ppm=parts per million
 **me/l=millequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 20.05 me/l
 Total anions 16.94 me/l

By: Shirley Mitten

Service Performed	Amount Due
Irrigation analysis	\$8.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 76-035

Amount Enclosed \$

Signed

WATER LICENSE NO. 2525-3

(1) WHEREAS, On the 4th day of February A. D. 19 76

Borrell Quana

made Water Right Application No. 2525-3 for a permit to use 2.28 cubic feet per second of the water of groundwater (one well)

County of Union, State of South Dakota, for irrigation

purpose; and

(2) WHEREAS, On the 17th day of March A. D. 19 76

Permit No. 2525-3, with a date of priority of February 4, 1976

was issued to said applicant for the diversion of said water, and provided for the completion of construction of the water

supply system therein described on or before the 17th day of March A. D. 19 81 and for the

application to beneficial use of said water on or before the 17th day of March A. D. 19 81

and:

(3) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 1.94 cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent.

to irrigate a 136 acre circle in the NE¹, Section 11, T92N-R50W.

(5) 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 Horrel Quam

_____ of Elk Point, SD
the holder _____ and owner _____ of said permit No. 2525-3 a water right, dating from February 4, 1976
_____ to use of 1.94 cubic feet per second of the waters
of groundwater (one well)

in the County of Union and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point 1440' S and 1300' W of the NE Corner,
Section 11, T92N, R50W

and conduct to and upon a 136 acre circle in NE1/4, Section 11, T92N-R50W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 2525-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 17th day of September A. D.
Nineteen Hundred and Seventy-nine

Board of Water Management

By:

John Hatch
Chief Engineer JOHN HATCH

Permit No. 2525-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Noriel Quan

_____ the holder _____ of
Permit No. 2525-3, issued upon Application No. 2525-3, bearing date of priority of February 4,
1976 authorizing the diversion of 2.28 cu. ft. per second of the waters of _____
groundwater (one well) County of Union, State of South Dakota at a
point 1440' S and 1300' W of the NW Corner, Section 11, T92N, R50W

_____, for _____ irrigation

purposes, has _____ 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 2.0 cu. ft. per second of water

Date September 17, 1979



JOHN HATCH, Chief Engineer
Water Rights, WMD

Publish first publication, on or before March 4, 1976NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

February 17, 1976

Notice is hereby given that Norrel Quam
whose post office address is Ellk Point, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
2.76 cubic feet of water per second of time from the Flowing water through the
Quam Irrigation Project, the point of diversion of which is to be located in the _____

Center of the NE 1/4

of Section 11, Twp. 92N, Range 50W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land.

NE 1/4, Section 11, T92N, R50W

This application No. 2525 3 will be considered by the Water Rights Commission at their office at
Pierre upon the 17th day of March, 1976, at 1:00 P. M. All interested
persons may appear and be heard.

WATER RESOURCES COMMISSION

By:

BURTON F. JONES
Water Rights SpecialistBFJ/bw
cc:

Norrel Quam, Ellk Point, S.D. 57025

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Lester E. Emerson hereby

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

Water was taken from the Leader - Courier

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

City of Elk Point

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

February - 26 - 1976

March - 4 - 1976.

Lester E. Emerson
(Signature)

Publisher
(Title)

March 6, 1976
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER
Pierre, South Dakota 57501
February 17, 1976

Notice is hereby given that Norrel Quam whose post office
address is Elk Point, South Dakota, has made an application in
accordance with the provisions
of the water laws of South Dakota for a permit to appropriate
for beneficial use 2.28 cubic
feet of water per second of time
from ground water through the
Quam Irrigation Project, the
point of diversion of which is to
be located in the Center of the
NE $\frac{1}{4}$ of Section 11, Twp. 92N,
Range 50W. Said water to be
used for the purpose of provid-
ing irrigation on portions of the
following described land: NE $\frac{1}{4}$,
Section 11, T92N, R50W.

This application No. 2525-3
will be considered by the Water
Rights Commission at their off-
ice at Pierre upon the 17th day
of March, 1976, at 1:00 P.M.
All interested persons may app-
ear and be heard.

WATER RESOURCES
COMMISSION

By: Burton F. Jones

Water Rights Specialist

Publish: February 26, March 4



Permit No. 2525-3Water Division 3 Big Sioux River Water District

REPORT OF EXAMINATION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by NORRIL
GUAM of ELK POINT holder
of Permit No. 2525-3, bearing date of priority of FEBRUARY 4, 1946
authorizing the diversion of 2.28 cu. ft. per second of the waters of GROUND WATER
for IRRIGATION purposes, in UNION County.

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

The Water Use System consists of,

A. Works used to divert the water:

200' DEEP WELL WITH 16" TRANSITE CASING
FAIRBANKS MORSE 8" PUMP # N3B28084-TX - 4 STAGE - 12" BOWLS
POWERED BY US - 100 HP ELECTRIC MOTOR

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

1330' OF 10" BURIED TRANSITE CASING TO CENTER OF
PILOT

C. Works used to apply water to beneficial use.

LOCKWOOD CP WITH END GUN

The system is in the following condition: _____

The point of diversion is located 1440'S E 1300' W OF THE NE CORNER,
SECTION 11, T92N, R50W

The works are capable of diverting and conveying to the place of use 2.0cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows: _____

FOR IRRIGATING A 136 ACRE CIRCLE IN THE
NE⁴, SECTION 11, T92N, R50W

comprising a total of 136 acres of land. 1.94Date AUGUST 23, 1979

[Signature]
(Signature)

RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7032

PIERRE, September 10, 1979

RECEIVED OF Horrel Quam, RR #1, Box 212, Elk Point, SD 57025

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

Fee for Application for Permit to Appropriate Water No. (examination, processing, recording and filing)		
Fee for Inspecting Construction, and Issuing Cert. of Construction No. 2525-3	11	00
Fee for Inspecting Beneficial Use, and Issuing Water License No. 2525-2		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for		
(any other work as provided by law)		
TOTAL	12	00

WATER RIGHTS COMMISSION

By (10/1/79) *[Signature]*
Chief Engineer, Executive Officer
JOHN HATCH cy

2525-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

March 25, 1997

376-3

2525-3

Norrel Quam
RR 2 Box 451
Elk Point, SD 57025

Dear Mr. Quam:

I am contacting you in regard to your 1996 irrigation questionnaires. You indicated on the questionnaire for Water Right No. 2525-3 that the well has been discontinued. Since you have two water rights, I want to be sure that I understand correctly which well is no longer used.

Water Right No. 376-3 authorizes irrigation of the NW¼ Section 11, T92N, R50W, from a well in the NW¼. A well log in the file indicates you drilled a replacement well in 1995 for this well.

Water Right No. 2525-3 authorizes irrigation of the NE¼ Section 11 from a well in the same quarter.

Is the well in the NE¼ the one that has been discontinued? If so, is the land irrigated from another water source or have you discontinued irrigation on that quarter?

Please take a few minutes to call or write to me concerning this matter. If you have any questions, please contact me.

Sincerely,

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

376-3
2525-3

**WATER RIGHTS PROGRAM
FILE DOCUMENTATION**

NAME OF PERSON OR FILE: Norrel Quam

ADDRESS: RR #2 Box 451, Elk Point, SD 57025

COUNTY: Union

DATE: April 7, 1997

TELEPHONE: 605 356-2786

RE: status of Water Right No. 2525-3

COMMENTS:

Mr. Quam wrote on his 1996 irrigation questionnaire that he had discontinued the well under Water Right No. 2525-3. Prior to taking any action on the water right, I wrote to Mr. Quam asking for a clarification.

Water Right No. 376-3 authorizes irrigation of the NW¼ Section 11, T92N, R50W, from a well in the NW¼. A well log in the file indicates you drilled a replacement well in 1995 for this well. **Water Right No. 2525-3** authorizes irrigation of the NE¼ Section 11 from a well in the same quarter.

Mr. Quam called to confirm that the well in the NE¼ had been discontinued. He is now irrigating that quarter from the well in the NW¼ (authorized under No. 376-3). He still irrigates the same land, however uses only one well instead of two. I told Mr. Quam to write us a letter explaining the situation. This could be used as formal notification that he wishes to file for a change in diversion point location for No. 2525-3. Information in the files indicate that the two wells are into the same water source.

I explained to Mr. Quam that under SDCL 46-5-13.1, the location of the diversion point may be changed if the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.



Genny McMath
Environmental Scientist

To whom it may concern
Two years ago I had two
irrigation wells, No. 376-3 and
No. 2535-3. They both caved in,
I dug one ^{new} well on the
N.W. 1/4 Sec 11 T. 92 N, R. 50 W. and
put under ground pipe line to
feed the irrig. pivot in the
NE 1/4 Sec 11.

We filled the old wells
casing with free gravel and
concrete.

Hope this is satisfactory to the Department of Natural Resources

thank you
Harrel Dunn

Q-2-13.0 x 4.51

Elk Point, O.

57.025



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
WATER RIGHTS PROGRAM

May 6, 1997

RE: Change in Location of the Diversion Point Water Right No. 2525-3, Nerrel Quam

The 1996 irrigation questionnaire for Water Right No. 2525-3 indicated that water use from the authorized well was discontinued. Genny McMath contacted Mr. Quam to determine whether just the well was discontinued or if no irrigation now took place on the land authorized by Right No. 2525-3. Mr. Quam wrote a letter stating the well had failed and he now used a replacement well authorized by Water Right No. 376-3. SDCL 46-5-13.1 provides that a point of diversion may be changed or additional points of diversion may be approved without application or publication of a notice of hearing if the additional point of diversion is from the same source of water, no additional water is appropriated and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

Water Right 2525-3 appropriates 1.94 cubic feet of water per second (cfs) from one well (Lower Vermillion:Missouri) 200 feet deep located in the SE1/4 NE1/4 of Section 11 to irrigate 136 acres located in the NE1/4 Section 11; all in T92N, R50W in Union County.

Water Right No. 376-3 appropriates 2.28 cfs from one well (Lower Vermillion:Missouri) 175 feet deep located in the approximate center of the NW1/4 of Section 11 to irrigate 160 acres located in the NW1/4 Section 11; all in T92N, R50W in Union County.

A replacement well was drilled in July 1995 when each of the wells authorized by Right No. 376-3 and 2525-3 failed. This one well is now used to operate both of the pivots located in the N1/2 of Section 11. The well completion report indicates the well was constructed to a depth of 180 feet and is located in the center of the NW1/4 Section 11, T92N, R50W. The well test data on the completion report states the well was pumped at 900 gallons per minute. It appears that only one center pivot may be operated at a time.

A review of existing diversion from the Lower Vermillion:Missouri River Aquifer was not conducted. This application proposes to allow the well authorized by Water Right No. 376-3 to be used for the irrigation of both pivots in the N1/2 of Section 11, T92N, R50W. This change will not locate the well closer to other existing wells in the area or increase the diversion rate. In fact the diversion rate from the aquifer will likely be reduced because one well will be used to supply water to alternating pivots. The volume of water will likely remain the same. Mr. Quam has irrigated for numerous years and there have been no water use complaints reported.


Eric Gronlund
Natural Resources Engineer
Water Rights Program

The Chief Engineer makes a finding that this change in location does not increase the potential for interference with existing diversion. In making the finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference. The change in the point of diversion for Water Right No. 2525-3 is authorized and the permit license may be reissued without requiring application or publication of a notice of hearing pursuant to SDCL 46-2A-4.

John Hatch 5-2-97

John Hatch, Chief Engineer
Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

May 13, 1997

Norrel Quam
RR 2, Box 451
Elk Point, SD 57025

Dear Mr. Quam:

I am writing in regard to your request to authorize the change of diversion point for Water Right No. 2525-3. Water Right 2525-3 appropriates 1.94 cubic feet of water per second (cfs) from one well located in the SE1/4 NE1/4 of Section 11 to irrigate 136 acres located in the NE1/4 Section 11; all in T92N, R50W in Union County.

This is a request to change the point of diversion to the well authorized by Water Right No. 376-3 located in the center of the NW1/4 Section 11, T92N, R50W. One well is now used to operate both of the pivots located in the N1/2 of Section 11. This request is for no additional appropriation of water.

Upon review of the application, pursuant to SDCL 46-5-13.1, I have made a finding that the change of the diversion point will not increase the potential for interference with existing diversions. In making the finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference. Mr. Quam, I am authorizing this change in the diversion point without application or publication of a notice of hearing pursuant to SDCL 46-2A-4.

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

Very truly yours,

John Hatch, Chief Engineer
Water Rights Program
(605) 773-3352



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 12 1997

2525-3

Norrell Quam
RR 2 Box 451
Elk Point, SD 57025

Dear Mr. Quam:

Enclosed is your Reissued Water License No. 2525-3.

The water license has been reissued to allow the diversion point authorized under Water Right No. 376-3 to be used for irrigation of land described in Water Right No. 2525-3. The remaining portions of the original water license have not been altered by reissuance of the license.

As long as you use the water beneficially, as stated in the Water License, South Dakota Water Laws provide that you have a continuing right to the use of the water.

If you have any questions, please contact us.

Very truly yours,

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

enclosure

STATE OF SOUTH DAKOTA
REISSUED WATER LICENSE NO. 2525-3

(1) Norrell Quam, RR 2 Box 451, Elk Point, SD 57025 was issued Water License No. 2525-3, September 17, 1979, for a water right to divert 1.94 cubic feet of water per second from ground water (one well), Union County, South Dakota for irrigation purposes. Water License No. 2525-3, with a priority date of February 4, 1976 was issued to the permit holder for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

Water Right No. 2525-3 authorized diversion from a well in the NE $\frac{1}{4}$ of Section 11, T92N, R50W to irrigate 136 acres also located in the NE $\frac{1}{4}$ of Section 11. The well in the NE $\frac{1}{4}$ has been abandoned and plugged. The water right holder now diverts water from the well in the center of the NW $\frac{1}{4}$ (authorized under Water Right No. 376-3) to irrigate the land in the NE $\frac{1}{4}$.

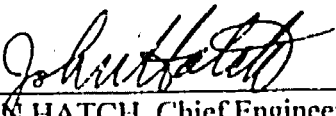
SDCL 46-5-13.1 provides that a point of diversion may be changed or additional points approved without application or publication of a notice of hearing if the change or additional point of diversion is from the same water source and no additional water is appropriated. The Chief Engineer makes a finding that this change in location does not increase the potential for interference with existing diversions. In making the finding, "does not increase the potential for interference" is interpreted to mean potential for adverse interference.

Water License No. 2525-3 is being reissued to change the point of diversion used to irrigate the NE $\frac{1}{4}$ of Section 11, T92N, R50W from the well in the NE $\frac{1}{4}$ to the replacement well drilled in the NW $\frac{1}{4}$ Section 11.

(2) It is certified that the applicant has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.94 cubic feet of water per second for beneficial use. The location of the diversion point is located in the center of the NW $\frac{1}{4}$ Section 11, T92N, R50W.

(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land: a 136 acre circle in the NE $\frac{1}{4}$ Section 11, T92N, R50W.

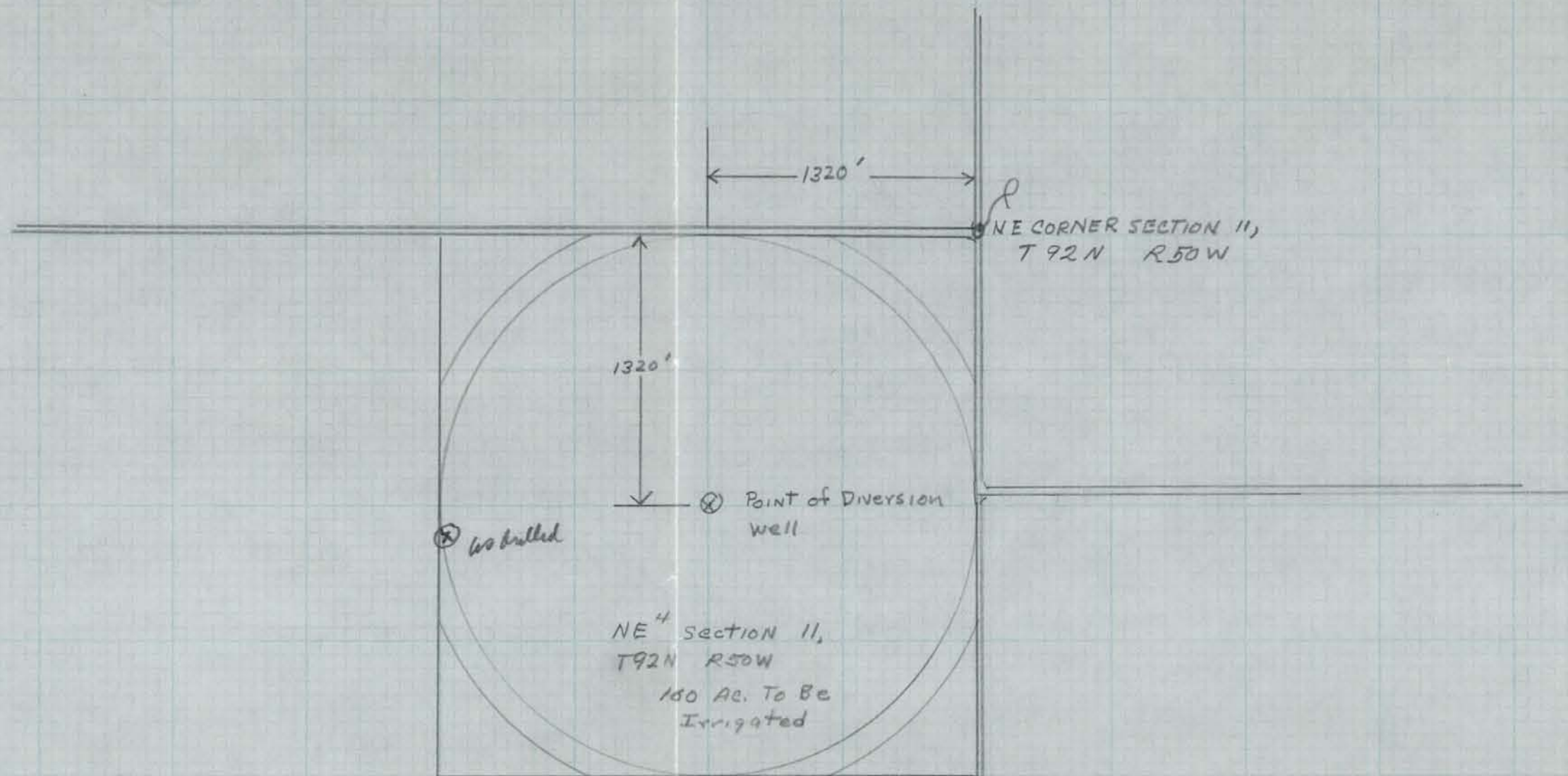
(4) Pursuant to South Dakota Water Law 46-5-30.1 Norrell Quam, RR 2 Box 451, Elk Point, SD 57025 the holder and/or owner of Water Right No. 2525-3 is issued a license to appropriate water, the right to use 1.94 cubic feet of water per second from ground water (one well) with a priority date of February 4, 1976 from the location specified in (2) of this license. The water to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation. This license is subject to any limitations or qualifications listed in Water Permit No. 2525-3 and subject to South Dakota State Law.


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

JUN 12 1997

date





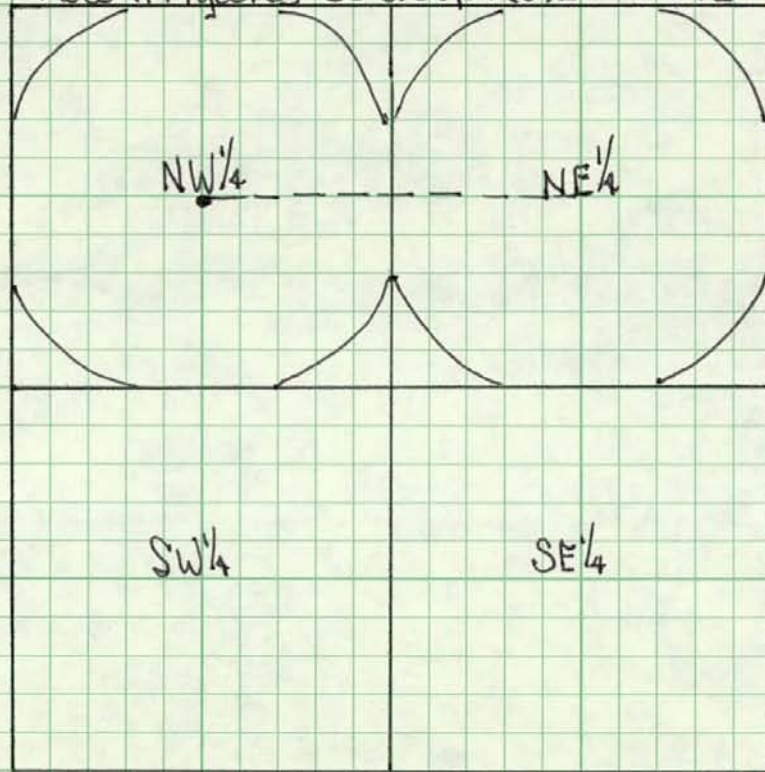
Scale = 8 inches = 1 mile

Norrel Quam
ELK POINT, SOUTH DAKOTA 57025
Quam Irrigation Project
160 AC. To Be Irrigated
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>J.M. Boline</u>	Date <u>1/5/76</u>	Approved by <u>R.P. Boline</u>
Drawn <u>J.M. Boline</u>	Date <u>1/5/76</u>	Title <u>West Side</u>
Traced	Sheet No. <u>1</u>	Drawing No. <u>1</u>
Checked	of <u>1</u>	

2525-3

Well in center of NW $\frac{1}{4}$ (authorized by 376-3)
now irrigates center pivots in NW $\frac{1}{2}$



Section 11, T92N, R50W

2525-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 20, 2008

376-3
2525-3

Virginia Quam
31607 475th Ave
Elk Point SD 57025

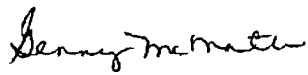
Dear Ms. Quam:

I am writing to acknowledge receipt of the 2008 irrigation questionnaires for Water Right Nos. 376-3 and 2525-3. Thank you for notifying us that ownership of the water rights needs to be changed from Norrel's name to your name.

Enclosed are partially completed Notice of Transfer of Ownership forms for filing the ownership change. Please review the forms and make any necessary corrections. Upon completion, please sign and return the forms to our office with a required filing fee of \$2.50 each (**total of \$5.00**). The check or money order for the fee can be made payable to the Water Rights Program.

As soon as we receive the completed forms and the filing fees, the water rights will be transferred to you. If you have any questions, please contact me.

Sincerely,


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

enclosures

2008 Water Management Board Irrigation Questionnaire

Please fill out and return before **December 1, 2008**

REMEMBER! Return of this questionnaire is required whether or not you irrigated this year.

Return the completed form(s) to the Water Rights Program at 523 E Capitol, Pierre, SD 57501 3181 (605) 773-3352 or send your form(s) electronically over the internet at <https://www.state.sd.us/eforms/secure/eforms/E0455V7-IQ.pdf>

Permit No. 2525-3

NORRELL QUAM
31607 475TH AVE
ELK POINT SD 57025

Any address/ownership corrections?

Norrel Quam is deceased. Please change ownership to Virginia Quam, his wife.
Telephone No. 605-356-2786

1. Did you irrigate in 2008? *yes ☐ **no ☒
*If yes, _____ acres were irrigated out of
the 136.00 acres covered by Permit No. 2525-3

**If no, check reason(s) for not irrigating:
sufficient moisture ☒ no water available ☐
system not constructed ☐ use abandoned ☐
enrolled in CRP ☐, through what year? _____
other ☐, please explain in the Comment Box:

Comment Box

2. If your answer to question No. 1 is "no," you are done! If you answered "yes," please complete Nos. 3, 4 & 5.
3. Did you apply chemicals or fertilizer through the system in 2008? yes ☐ no ☐
4. If more than one water source is listed below, circle each source used. **A. GROUNDWATER**
5. Provide your water use on the back of this form.



NWNW	NENW	NWNE	NENE
NW			NE
SWNW	SENW	SWNE	SENE
NWSW	NESW	NWSE	NESE
SW			SE
SWSW	SESW	SWSE	SESE

1 square mile

Office use only

RECEIVED
NOV 19 2008
WATER RIGHTS
PROGRAM

Acreage permitted for irrigation under No. 2525-3

(see above section map for help reading legal descriptions)

sec 11-T092N-R50W, NE1/4 - 136.0 acres

Please provide your 2008 water use to irrigate the above acreage on the REVERSE side of this form.

For an example of a completed questionnaire, please refer to the reverse side of your cover letter.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 22, 2009

376-3
2525-3

Virginia Quam
31607 475th Ave
Elk Point SD 57025

Dear Ms. Quam:

I am writing in regard to Water Right Nos. 376-3 and 2525-3, listed in the name of Norrel Quam. In November, 2008, you notified our office through submission of the annual irrigation questionnaire that the water rights should be changed over to your name. Transfer forms were sent to you for completion and to date we have not received anything back from you.

In the event you no longer have the original forms, I am enclosing an additional set. Please review the forms and make any necessary corrections. Upon completion, please sign and return the forms to our office with a required filing fee of \$2.50 each (**total of \$5.00**). The check or money order for the fee can be made payable to the Water Rights Program.

Please be advised that the Legislature passed a bill this year raising the filing fees on applications, licenses and ownership changes. The fee increases will become effective July 1, 2009. The fee increase for an ownership change will be raised from \$2.50 to \$50.00. We will be required to assess the increased fee of \$50.00 for any ownership change filed after July 1st.

To avoid having to pay the higher fee, please submit the enclosed transfer forms and remit the \$2.50 filing fee for each one (total of \$5.00) as soon as possible. If you have any questions, please contact me.

Sincerely,

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

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

RECEIVED

APR 27 2009

WATER RIGHTS
PROGRAM

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

No. 2525-3

Date: 4-22-09

I/We request that Water Right No. 2525-3

formerly owned by: Norrel Quam

be transferred to: (name & address) Virginia Quam, 31607 475th Ave, Elk Point SD 57025

Telephone No. 605 356-2786

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

NE ¼ Section 11, T92N, R50W

I/We understand that the validity of Water Right No. 2525-3 has not been determined by this transfer action. If I/We have any questions on validity, I/We understand that only the Water Management Board has the authority to determine if a water permit/right is valid (see note).

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

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

I/We Virginia Quam, the new owner, certify that the above information is true and correct.

Virginia Quam
(Signed by new owner)

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

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

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 4/27, 20 09

RECEIVED OF Noriel Quam 31605 475th Ave Elk Point SD 57025

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	2	50
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____ 2525-3		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	2 50

No.

04126

By

Harold E. Schuler
Chief Engineer



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 27, 2009

376-3
2525-3

Virginia Quam
31607 475th Ave
Elk Point SD 57025

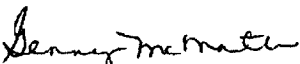
Dear Ms. Quam:

I am writing to acknowledge receipt of the "Notice of Transfer of Ownership" forms and filing fees you submitted for transferring Water Right Nos. 376-3 and 2525-3. The ownership changes have been completed. The water rights formerly held by Norrel Quam are now listed in your name.

Enclosed for your records are Receipt Nos. 04124 and 04126 in the amount of \$2.50 each.

If I can answer any questions for you, please contact me.

Sincerely,


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

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 19, 2009

376-3
2525-3

Virginia Quam
802 E Clay St
Elk Point SD 57025-2110

Dear Ms. Quam:

Enclosed is a "Notice" dated October 16, 2009 concerning the 2009 irrigation questionnaire.

The notice was originally mailed to 31607 475th Ave, Elk Point SD. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

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

enclosures



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 27, 2022

376-3
2525-3

Virginia Quam
47435 316th St
Elk Point SD 57025-6639

Dear Ms. Quam:

Enclosed is a "Notice" dated October 21, 2022, concerning the 2022 irrigation questionnaires.

The notice was originally mailed to 802 E Clay St, Elk Point. The post office notified us that your address has changed, and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

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

enclosures



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

December 11th, 2025

2525-3

Barbara Selby
9602 Bishop Drive Unit 26
West Des Moines, IA 50266

Dear Ms. Selby:

Each year, the State of South Dakota sends out Water Management Irrigation Questionnaires to collect information based on annual water use from our state's waters.

This year we received word that the property authorized for irrigation under WR No. 2525-3 had been sold to you. For your convenience I have enclosed a partially completed "Transfer of Ownership" form for you to complete and return in the pre-paid envelope.

Please return the form with a check for \$50.00 made payable to "SD Water Rights Program" to cover the transfer fee. If you would prefer to pay by card, you may call our Fiscal Office at 605.773.5559. This form will still need to be returned even if you are submitting payment over the phone.

Should you decide you wish to discontinue the irrigation on this piece of land, we would ask that you let us know.

If you have any questions or concerns, please give me a call. My direct number is 605.773.8204

Sincerely,

Shannon Konst
Water Rights Program
605 773-3352
Shannon.konst@state.sd.us

enclosures

PAID

DEC 29 2025

NOTICE OF TRANSFER OF OWNERSHIP

For assistance call (605) 773-3352

Mail to: SD DANR, Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182

Water Right/Permit No. 2525-3

Ck# 15024

Rec't#

Date: 12-23-25

I/We request that Water Right/Permit No. 2525-3 formerly owned by:

Virginia Quam

be transferred to:

New Owner Name:

Barbara Selby

Address:

9602 Bishop Dr.

mobile:

26

City, State, Zip

West Des Moines, IA 50266

email:

barbselby46@hotmail.com

RECEIVED

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

DEC 30 2025

136 acres located in portions of the NE1/4 of Section 11, T92N, R50W

OFFICE OF
WATER



I understand that the validity of Water Right/Permit No. 2525-3 has not been determined by this transfer action. If I have any questions on validity, I understand that only the Water Management Board has the authority to determine if a water right/permit is valid (see note below).

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

A fee of Fifty Dollars (\$50.00) is included to cover the filing fee as required by SDCL 46-2-13.

I,

Barbara Selby

, the new owner, certify that the above information

is true and correct.

Barbara Selby
(signed by new owner)

NOTE: Water permits may be cancelled for nonconstruction after the five-year construction period has expired. Once a water permit is developed, an inspection is conducted to issue a water right license for the project as developed. A water permit/right may be cancelled for one or more of the following reasons:

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

RECEIPT

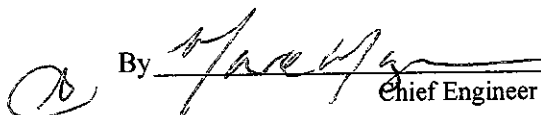
WATER RIGHTS PROGRAM South Dakota Department of Agriculture and Natural Resources

Date December 29, 2025

RECEIVED OF Barbara Selby 9602 Bishop Dr #26 West Des Moines IA 50266

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	\$ _____
Fee for Application for Permit No. _____ to Appropriate Water for Future use	\$ _____
Fee to retain Future Use Permit No. _____ after period of seven years.	\$ _____
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____	\$ _____
Fee for Filing Transfer Form #2525-3	\$50.00
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law)	TOTAL
	\$50.00

By  Chief Engineer



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

January 2nd, 2026

2525-3

Barbara Selby
9602 Bishop Dr #26
West Des Moines, IA 50266

Dear Ms. Selby,

The South Dakota Water Rights Program is in receipt of the "Notice of Transfer of Ownership" form and the required fees you submitted for Water Right No. 2525-3. Enclosed is a receipt of payment for your records.

Water Right No. 2525-3, previously held by Virginia Quam is now listed under your name. I have also updated your contact information in our system.

As a reminder, so long as you use the water beneficially, as stated in the License (copy enclosed), State Water Laws provide that you have a continuing right to use the water. Should the water not be put to beneficial use for a period longer than 3 consecutive years, without legal excuse, the License will be subject to cancellation.

If you have any questions, please contact me.

Sincerely,

Shannon Konst
Water Rights Program
605 773-3352
Shannon.konst@state.sd.us

NOTE: The validity of Water Right No. 2525-3 has not been determined by this transfer action. Only the Water Management Board has the authority to determine if a water permit/right is valid.

enclosure