

Water Right Number 3145.3

1. Considered 11. 17, 19 76
2. Name of Applicant GENIE WARKENTHIEN
3. Post Office Address WILLOW LAKE
4. Amount of water claimed 3.25
5. Source of water supply 78' DEEP WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 354
7. Water to be diverted and used in CLARK County
about 5N, 3W Miles of WILLOW LAKE
8. Proof of Publication
Received 1ST
Not received
9. Application
Approved
Subject to
Not approved
Action deferred
10. Remarks:

Map No. 2487-3 Water Division No. 3 JAMES RIVER District
(blank, to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

- Name of Applicant Gene Markenthien
Post-office address Star Route, Willow Lake, State So. Dak. 57278
If a corporation show date and place of incorporation _____
- Method of accomplishing work (contract, employment of others, or by direct labor) Contract
- Name of diversion work Gene Markenthien - Irrigation Project No. 1
- Amount of water claimed (cubic feet per second) 6.5
- Source of water supply Well
- Location of point of diversion Well No. 1 - 150 rods E. & 80 rods S. of NW corner of
Section 8, Twp.-11h, R-57.
Well No. 2 - 130 rods N & 120 rods S of NW corner of County Clark
Section 20, T-11h, R-57.
- Annual period or periods during which water is to be used April 1 to Dec. 1
- Use to be made of water. (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
- For irrigation use, Total number of acres to be irrigated 654.254

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.
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 8-11h-57	40.0	SE $\frac{1}{4}$ SE $\frac{1}{4}$ 8-11h-57	38.0
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 8-11h-57	20.0	NE $\frac{1}{4}$ NE $\frac{1}{4}$ 20-11h-57	32.0
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 8-11h-57	30.0	NE $\frac{1}{4}$ NE $\frac{1}{4}$ 20-11h-57	26.0
NE $\frac{1}{4}$ SW $\frac{1}{4}$ 8-11h-57	40.0	SW $\frac{1}{4}$ NW $\frac{1}{4}$ 20-11h-57	39.0
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 8-11h-57	29.0	SE $\frac{1}{4}$ NW $\frac{1}{4}$ 20-11h-57	40.0
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 8-11h-57	39.0	NW $\frac{1}{4}$ SW $\frac{1}{4}$ 20-11h-57	39.0
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 8-11h-57	40.0	NE $\frac{1}{4}$ SW $\frac{1}{4}$ 20-11h-57	40.0
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 8-11h-57	39.0	SW $\frac{1}{4}$ SW $\frac{1}{4}$ 20-11h-57	38.0
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 8-11h-57	39.0	SE $\frac{1}{4}$ SW $\frac{1}{4}$ 20-11h-57	39.0

12 Principal Features of the Proposed Water Supply System.

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

Well & pumping system

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

Underground pipeline

C. Works proposed to apply water to beneficial use.

Sprinkle irrigation system

Estimated Total Cost \$ 50,000.00
100,000.00

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

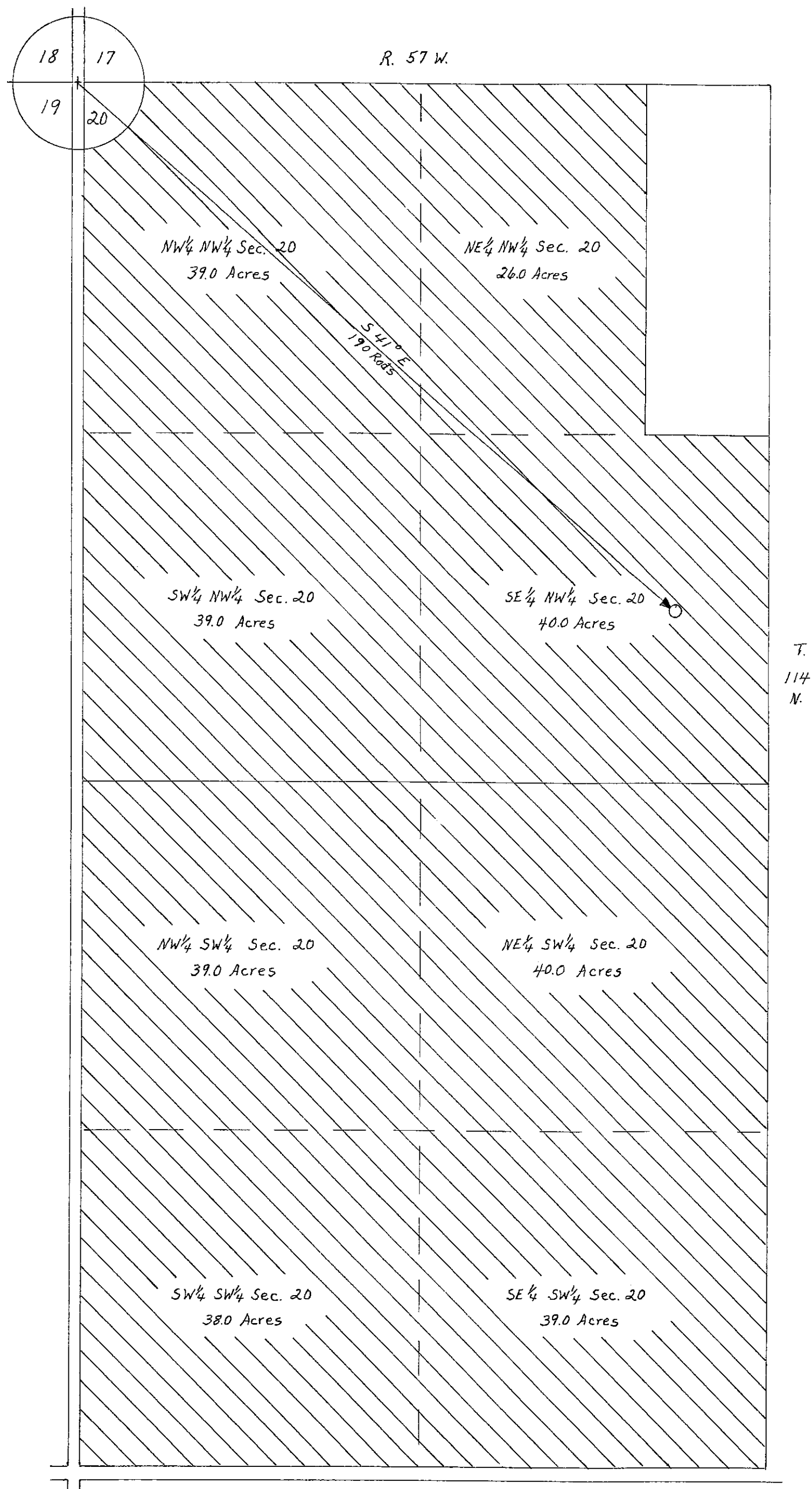
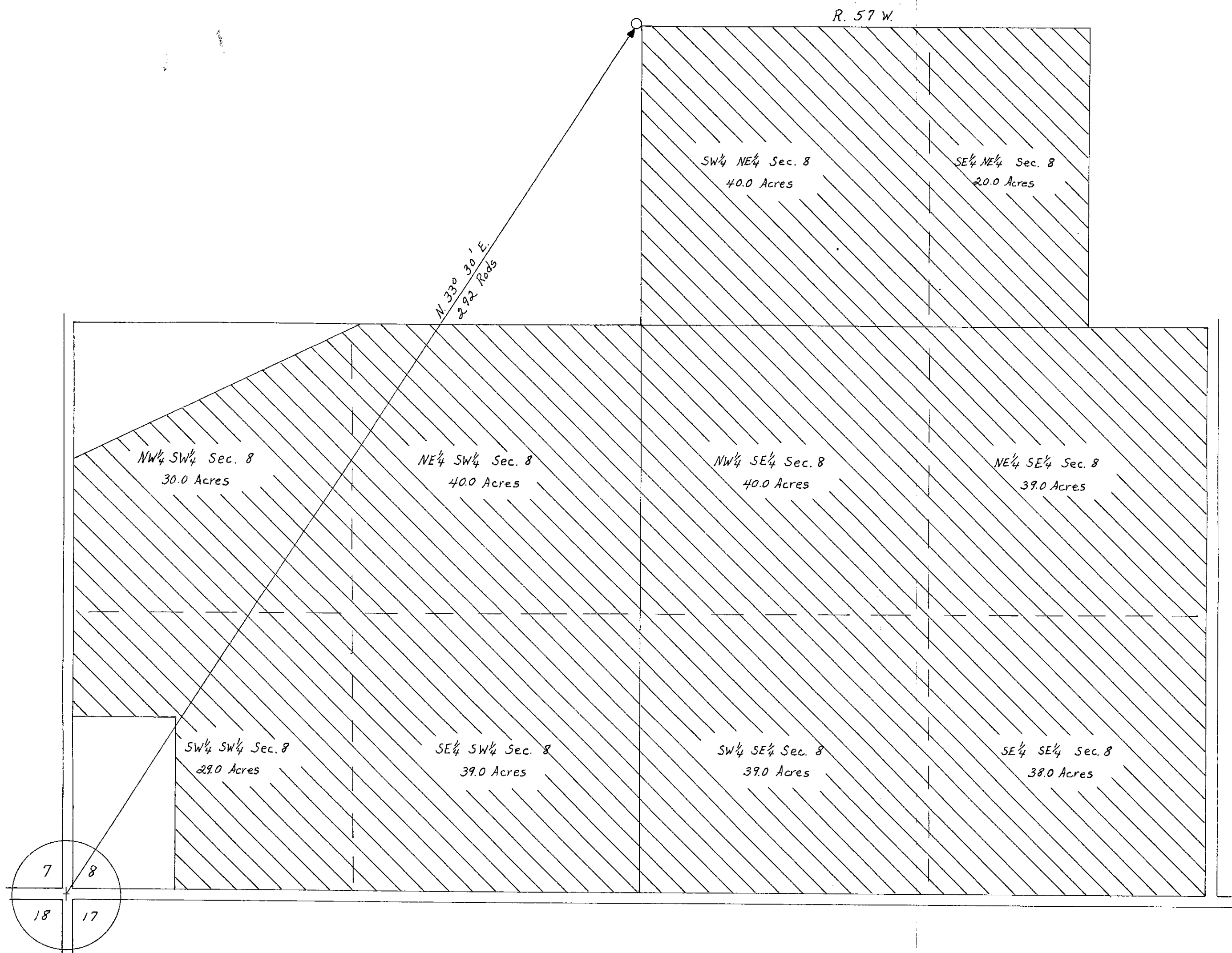
STATE OF SOUTH DAKOTA

I, Gene Markenthien 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 Gene Markenthien

Subscribed and sworn to before me this 22nd day of October, 1926.

Notary Public (or other qualified officer)



All Lands Described Are Owned By Gene Warkenthien

LOCATION OF LAND TO BE IRRIGATED				
LOCATION	SECTION	TOWNSHIP	RANGE	ACRES
SW 1/4 NE 1/4	8	114	57	40.0
SE 1/4 NE 1/4	8	114	57	20.0
NW 1/4 SW 1/4	8	114	57	30.0
NE 1/4 SW 1/4	8	114	57	40.0
SW 1/4 SW 1/4	8	114	57	29.0
SE 1/4 SW 1/4	8	114	57	39.0
NW 1/4 SE 1/4	8	114	57	40.0
NE 1/4 SE 1/4	8	114	57	39.0
SW 1/4 SE 1/4	8	114	57	39.0
SE 1/4 SE 1/4	8	114	57	38.0
NW 1/4 NW 1/4	20	114	57	39.0
NE 1/4 NW 1/4	20	114	57	26.0
SW 1/4 NW 1/4	20	114	57	39.0
SE 1/4 NW 1/4	20	114	57	40.0
NW 1/4 SW 1/4	20	114	57	39.0
NE 1/4 SW 1/4	20	114	57	40.0
SW 1/4 SW 1/4	20	114	57	38.0
SE 1/4 SW 1/4	20	114	57	39.0
Total				654.0

LAND TO BE IRRIGATED
PUMP SITES

Scale: 1" = 400'

SURVEYOR'S CERTIFICATE

I, Franklin I. Fite DO HEREBY CERTIFY THAT THIS MAP IDENTIFIES A REASONABLY ACCURATE RECORD OF THE LAND OF Gene Warkenthien, Irrigation Project No. 1, AND HAS BEEN PREPARED BY:

SIGNATURE: Franklin I. Fite

TITLE: District Conservationist Soil Conservation Service

SUBSCRIBED AND SWORN TO BEFORE ME THIS 22nd DAY OF October, 1976, A.D.

Doreen M. Fite
NOTARY PUBLIC

MY COMMISSION EXPIRES April 2, 1979.

WATER RIGHT APPLICATION APPROVAL 3145-3

The Water Rights Commission hereby approves Water Right Application No. 3145-3
GEARLE WARKENTHERN ^{STATE} WILLOW LAKE
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57278 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 OCTOBER 26, 19 76
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application _____, 19 ____
 Approved NOVEMBER 18, 19 76, Recorded in Book 16 Page 223
 WATER RIGHT PERMIT NO. 3145-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3145-3 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 OCTOBER 26, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MAY 18, 19 79
3. The whole of said work is to be completed on or before NOVEMBER 18, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 18, 19 84
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 3.25 ~~4.75~~ 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 NOVEMBER 18, 19 84; said water to be used during the following described annual period: APRIL 1 TO DECEMBER 1

Witness my hand this 22ND day of DECEMBER, 19 76

WATER RIGHTS COMMISSION

By:

John Hatfield
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 ____

Water License Issued _____, 19 ____

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", Depth 78'
- (2) Casing, Type Steel Diameter 16" Thickness .250
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Johnson Irrigator, Diameter 16", Length 30'
- (4) Gravel Pack, Thickness 7", Length of gravel pack 78'

E. Dugout Information or Estimates

- (1) Surface dimensions NA, Depth NA

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 _____

0-1 Top soil 29-40 Sand & gravel

1-3 Sandy clay 40-57 Clay

3-29 Clay 57-78 Sand & gravel

Depth to top of water bearing material 22'

Depth to bottom of water bearing material 78'

Thickness of water bearing material 32'

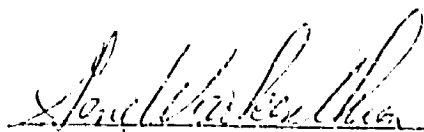
Depth to water (ground surface to water level) 14'

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

On same owner's property 440 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.


Signature of Applicant

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION)



NAME Gono Warkentlien

ADDRESS Willow Lake, S. Dak.

COUNTY Clark

LEGAL DESCRIPTION

1. WELL LOCATION 150 feet E of NW corner Sec. 8-114-57
2. LOCATION OF AREA TO BE IRRIGATED 56-8 4 53 NE 1/4 - 8-114-57

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT X GUN _____
4. CROPS TO BE IRRIGATED Corn, Alfalfa, Small Grain

WATER QUALITY

5. SAMPLE NUMBER 76-1397
6. SALINITY (EC X 10⁶) 765 (mod - high)
7. SODIUM (SAR) 0.30 (low)
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and: the soils information has been acquired from Clark county Conservation District, County Extension office or Soil Conservation Service.

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

SUBSCRIBED AND SWORN BEFORE ME THIS
30 DAY OF October 1976.

(TITLE OR SEAL)

Gono Warkentlien
APPLICANT'S SIGNATURE (This provision is rendered out successfully in all circumstances. In the event of disagreement, it is a large degree, determining the relative success of this venture.)

APPROVED/RECEIVED

(SOILS INFORMATION ON REVERSE SIDE)

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

Submitted by: Gene Markenthien Date Rec'd September 20, 1976
Address: Willow Lake, SD 57278 Sample No. 76-1397
Identification Well
NE 1/4, Sec. 8, T 114N, R 57W

WATER ANALYSIS

Calcium (Ca)	119	ppm*	5.95	me/l**
Magnesium (Mg)	45	ppm	3.69	me/l
Sodium (Na)	15	ppm	0.65	me/l
Potassium (K)	4	ppm	0.10	me/l
Sulfate (SO ₄)	150	ppm	3.12	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	2	ppm	0.07	me/l
Bicarbonate (HCO ₃)	386	ppm	6.32	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	316	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	765	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.30			
Sodium	6.25	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.55			
Others:				

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

COMMENTS: Total cations 10.39 me/l
Total anions 9.51 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. 76-1397

Amount Enclosed \$

Signed



October 4, 1976

Mr. Gene Warkenthien
Willow Lake, SD 57278

Dear Mr. Warkenthien:

Your water sample (Lab. No. 76-1397) has been analyzed and the results are reported on the accompanying sheet, which is your copy to keep.

I am also enclosing a copy of AES pamphlet #13 for your use. The quality of your water for irrigation use is plotted approximately by means of the red cross in the chart on the outside back cover.

Your water, as indicated by this analysis, is satisfactory for use on the soils you indicate will be irrigated. If a salt problem or a water table problem should develop, contact extension personnel for assistance.

The WI-i, soils information, and a copy of the water analysis are being forwarded to the State Conservation Commission for their action.

Sincerely yours,

L. O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb
Enclosures
cc: State Conservation Commission

No. 3145-3

Publish first publication, on or before

November 4, 1976

NOTICE OF INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 29, 1976

Notice is hereby given that Gene Warkenthien

whose post office address is Willow Lake, 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 3.25 cubic feet of water per

second of time from ~~the~~ ground water through the Warkenthien #1

, the point of diversion of which is to be located in the Center of the NE $\frac{1}{4}$

of Section 8, Twp. 114N, Range 57W. Said water to be used for the purpose of providing irrigation on the following described land:
S $\frac{1}{2}$ and S $\frac{1}{2}$ NE $\frac{1}{4}$, Section 8, T114N, R51W

This application No. 3145-3 will be considered by the Water Rights Commission at the Marvin Hughitt Hotel in Huron, S.D.

upon the 17th day of November, 1976 at 10:00 A. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES, Water Rights Specialist

BFJ/bw
cc:

Gene Warkenthien, Star Route, Willow Lake, S.D. 57278

No. 3149-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
County Clark)

I, Don Martin hereby

Water was taken from the Clark County Courthouse

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 Clark

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

November 1, 1976

November 11, 1976

Bo A. Moring
(Signature)

Editor
(Title)

November 12, 1976
(Date Signed)

Notice Of Intent To
Appropriate Water
Pierre, South Dakota 57501
October 29, 1976

Notice is hereby given that Gene Warkenthien whose post office address is Willow Lake, 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 3.25 cubic feet of water per second of time from ground water through Warkenthien No. 1, the point of diversion of which is to be located in the Center of the N½ of Section 8, Twp. 114N, Range 57W. Said water to be used for the purpose of providing irrigation on the following described land: S½ and S½NE¼, Section 8, T114N, R51W.

This application No. 3145-3 will be considered by the Water Rights Commission at the Marvin Huggitt Hotel in Huron, S.D. upon the 17th day of November, 1976 at 10:00 A.M. All interested persons may appear and be heard.

Water Rights Commission
By: Burton F. Jones
Water Rights Specialist



Form 10.

No. 44-2 670.4

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USE



Post Office WILLOW LAKE, SOUTH DAKOTA

Date March 15, 1978

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

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 3145 - 3.

Water Right Permit No. 3145 - 3 states that the diversion system is to be constructed by November 18, , 19 81 and that the water is to be put to beneficial use by November 18, , 19 84.

The diversion system was completed on June 20, 1977.
Applying the water to beneficial use was completed on June 20, , 19 77.

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

Gene Werkenhien
(Signature)
Gene Werkenhien

No. 3146-3

s 3145-3



Department of Water & Natural Resources

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

October 13, 1982

Gene Warkenthein
Star Route
Willow Lake 57278

Dear Mr. Warkenthein:

The inspection of your water use system and inspection of the extent of your application of water to beneficial use, as developed under your Water Right

No. 3146-3
s 3145-3 has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for ^{each} ~~the~~ inspection and issuing of each ~~xxx~~ Water License. Upon receipt of the \$50.00 fee from you, your Water License will be sent to you. (total \$100.00 for the two permits)

You will also receive the Certificate of Construction as required by statute.

Sincerely,

KAREN SCHLAAK
Administrative Secretary

NOTE: On form of payment, please include the number of the water permit.
This insures proper handling of the fee.

WNR-814-7/79

Notification of Water License Ready for Issuing (\$50.00)

Permit No. 3145-3
 Water Division 3 BIG SIOUX RIVER JAMES RIVER Water District
10170201

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

TO: WATER RIGHTS, WATER MANAGEMENT BOARD / FOSS BLDG., PIERRE, SOUTH DAKOTA 57501

I have this day made a thorough examination of the water use system constructed by GENE
WARKENTHEIN of WILLOW LAKE 11 SE 54th 9 holder
 of Permit No. 3145-3, bearing date of priority of OCTOBER 26, 1976
 authorizing the diversion of 3.25 cu. ft. per second of the waters of GROUNDWATER
 for IRRIGATION purposes, in CLARK 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:

75' DEEP WELL WITH 16" STEEL CASING - 30' SS SCREEN
NATIONAL PUMP CO 8" PUMP - N200, POWERED BY
NEVIMAN 75 HP ELECTRIC MOTOR @ 1780 RPM

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

2800' OF 8" BURIED PVC FROM WELL TO PIVOT PAD

C. Works used to apply water to beneficial use.

10 TOWER OLSON CENTER PIVOT SYSTEM WITH
100' OVERHANG ON END PLUS NELSON 100' END GUN

The system is in the following condition: GOOD

The point of diversion is located 7460' E & 1350' S OF THE NW CORNER,
SECTION 8, T114N, R51W SE 4 NW 4

The works are capable of diverting and conveying to the place of use 2.00 (400 GPM)
 cu. 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: SECTION 8, T114N, R51W

<u>NW 1/4 SE 1/4</u>	<u>39 ACRES</u>	<u>SW 1/4 NE 1/4</u>	<u>11 ACRES</u>
<u>NE 1/4 SE 1/4</u>	<u>38 "</u>	<u>SE 1/4 NE 1/4</u>	<u>9 "</u>
<u>SW 1/4 SE 1/4</u>	<u>18 "</u>	<u>NE 1/4 SW 1/4</u>	<u>5 "</u>
<u>SE 1/4 SE 1/4</u>	<u>18 "</u>	<u>SE 1/4 SW 1/4</u>	<u>2 "</u>

comprising a total of 140 acres of land.

Date SEPTEMBER 22, 1982

(Signature)

WATER LICENSE NO. 3145-3.

(1) WHEREAS, On the 26th day of October A. D. 1976
Gene Markenthien

made Water Right Application No. 3145-3 for a permit to use 3.25 cubic feet per second of the waters of ground water (one well)
County of Clark, State of South Dakota, for irrigation

purpose; and
(2) WHEREAS, On the 18th day of November A. D. 1976
Permit No. 3145-3, with a date of priority of October 26, 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 15th day of November A. D. 1981 and for the application to beneficial use of said water on or before the 15th day of November A. D. 1984

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 2.00 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 the following lands all in Section 3, T11N, R57W

	acres
NW 1/4 SE 1/4	39
NE 1/4 SE 1/4	33
SW 1/4 SE 1/4	13
SE 1/4 SE 1/4	13
NE 1/4 SW 1/4	5
SE 1/4 SW 1/4	2
SW 1/4 NE 1/4	11
SE 1/4 NE 1/4	9
TOTAL	140 acres

(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 Gene Varkenthien

_____ of Willow Lake, South Dakota

the holder _____ and owner _____ of said permit No. 3145-3 a water right, dating from October 26, 1971

_____ to use of 2.00 cubic feet per second of the waters

of groundwater (one well)

in the County of Clark and State of South Dakota, or so much thereof as may be necessary for the

purposes hereinbelow mentioned, to be diverted at a point 2460 feet east and 1350 feet south of the

NW corner, Section 8, T114N, R57W (SEE MAP)

and conducted to and upon _____ portions of lands sit. in Section 8, T114N, R57W more fully

described in the face of this license

for the purpose of irrigation

subject to any limitations listed in Water Right Permit No. 3145-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota

this 23rd day of November A. D.

Nineteen Hundred and Eighty-two

WATER MANAGEMENT BOARD

By: John Hatch

Chief Engineer, Executive Officer

JOHN HATCH

Permit No. 3145-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Gene Warkenthien, St Rt, Box 9, Willow Lake

the holder of
Permit No. 3145-3, issued upon Application No. 3145-3, bearing date of priority of October 26, 1976

authorizing the diversion of 3.25 cu. ft. per second of the waters of
groundwater (one well) County of Clark, State of South Dakota at

2460 feet east and 1350 feet south of the NW corner, Section 8, T114N, R57W
(SE 1/4 NW 1/4)

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 2.00 (900 gpm) cu. ft. per second of water.

Date November 23, 1982

John Hatch
JOHN HATCH, Chief Engineer
Water Rights Division

RECEIPT

WATER RIGHTS COMMISSION

No 4 9039

State of South Dakota

PIERRE, November 22, 1982

RECEIVED OF Gene Markenthien, St Rt. Box 9, Willow Lake SD 57278
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)	3145-3	50	00
Fee for inspecting Construction, and issuing Cert. of Construction No.	3149-3		
Fee for inspecting Beneficial Use, and issuing Water License No.			
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		50	00

WATER RIGHTS COMMISSION

By *[Signature]*
Chief Engineer, Executive Officer

43145-3
#3146-3
#2213-3

**Dakota Department of
Water & Natural Resources**

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

February 17, 1989

Gene Warkenthein
St. Rt. Box 9
Willow Lake, SD 57278

Dear Mr. Warkenthein:

On October 6, 1988, the Water Management Board adopted rules to implement a 1988 law for application of chemicals through irrigation systems. The rules establish equipment standard, performance standard, and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1988 Water Management Board Irrigation Questionnaire that you do apply chemicals with irrigation water. A copy of the new rules for chemigation are enclosed for your information.

The new standards include:

- * a check valve between the irrigation pump and the point of chemical injection;
- * a vacuum relief valve on top of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a low-pressure drain on the bottom of the pipeline between the irrigation pump and the irrigation pipeline check valve;
- * a chemical injection line check valve between the chemical injection pump and the point at which the chemical is injected into the irrigation line; a second check valve is required if the chemical injection pump is not a positive displacement pump;
- * an interlock system which ensures that the chemical injection pump will stop whenever the irrigation pump stops;
- * an inspection port between the irrigation pump and the check valve on the irrigation line;

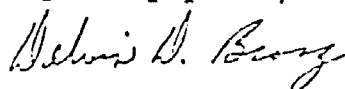


Each of these equipment requirements are discussed more thoroughly in Sections 74:02:09:05 through 74:02:09:10 of the enclosed rules. Appendix A contains diagrams of the arrangements of these anti-pollution devices.

The equipment must be installed according to the manufacturer's specifications, calibrated, and maintained in good working condition. All chemical product labels must be followed and warning signs must be posted. These rules also require reporting of all spills, accidents, and system malfunctions. A 24-hour telephone number is provided.

The chemigation rules contain notification and record keeping requirements. Prior to using chemigation, notification must be given to the Chief Engineer on the enclosed Form 1C. Information that must be provided in this notification includes the water permit or right number, the name, address, and telephone number of the water permit or right holder and of the system operator, and the legal description of the lands on which the system is located. A record of the name, quantity, dates and hours of each chemical applied must be provided to the Chief Engineer on Form 2C. A copy of this form is also enclosed for your information. It will be mailed with the annual irrigation questionnaire and must be returned with the questionnaire by the date specified. If you have any questions regarding these rules or need additional copies of the forms, please contact Susan Bowar, Water Rights Engineer (605-773-3352).

Very truly yours,



for JOHN HATCH, Chief Engineer
Water Rights Division



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

November 27, 2001

3145-3
3146-3

Gene Warkenthien
HC 3 Box 9
Willow Lake, SD 57278

Dear Mr. Warkenthien:

Thank you for getting in touch with me regarding the change of ownership for Water Right Nos. 3145-3 and 3146-3.

Enclosed are two partially completed "Notice of Transfer of Ownership" forms for use in filing the ownership changes. I have filled in most of the forms with the information contained in the water rights. Please review the forms for accuracy and complete as needed. The forms need to be signed in the presence of a notary public by the new owner.

Upon completion of the forms, please return them 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.

If I can answer any questions for you, please get in touch with me.

Sincerely,

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

enclosures

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

NO. 417038

Pierre, January 2, 2002

RECEIVED OF Gene Karkenthien, HC 2 Box 9, Willow Lake, SD 57278
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 3145-3

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

2 50

2 50

By David E. Erbe
Chief Engineer

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 3145-3

Date: 12-20-2001



1\We request that Water Right No. 3145-3

formerly owned by: Gene Warkenthien

be transferred to: (name & address)

Dwight Warkentien

HC # 3 Box 33 Willow Lake S.D. Telephone No. 605-625-3342

Title to the following described land(s)/property has been transferred as described at over: ^{3/2/8}

140 acres - SE ¼, E ½ SW ¼ and S ½ NE ¼ Section 8, T114N, R57W

I/We understand that the validity of Water Right No. 3145-3 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.

STATE OF SOUTH DAKOTA)

County of

Clark

I/We Singh Lakshmi Prasad being first duly sworn on my oath depose and say that my relation to the above described undertaking is that of Owner, that I have read the above foregoing statement, and that I know of my own personal knowledge that the information herein stated is true.

D. L. Sullivan
(Signature of new owner)

Subscribed and sworn to before me this 31 day of December, 2001.

Jo Layne L. Symons
(Notary Public)

(Notary Public)

2-27-2007

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

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 7, 2002

3145-3
3146-3

Dwight Warkenthien
HC 3 Box 38
Willow Lake, SD 57278

Dear Mr. Warkenthien:

Thank you for following up on the ownership changes for Water Right Nos. 3145-3 and 3146-3. The transfers have been completed. The water rights formerly listed in the name of Gene Warkenthien are now listed in your name.

Enclosed are your Receipt Nos. 417038 and 417039. You may keep them for your records.

If I can answer any questions for you, please get in touch with me.

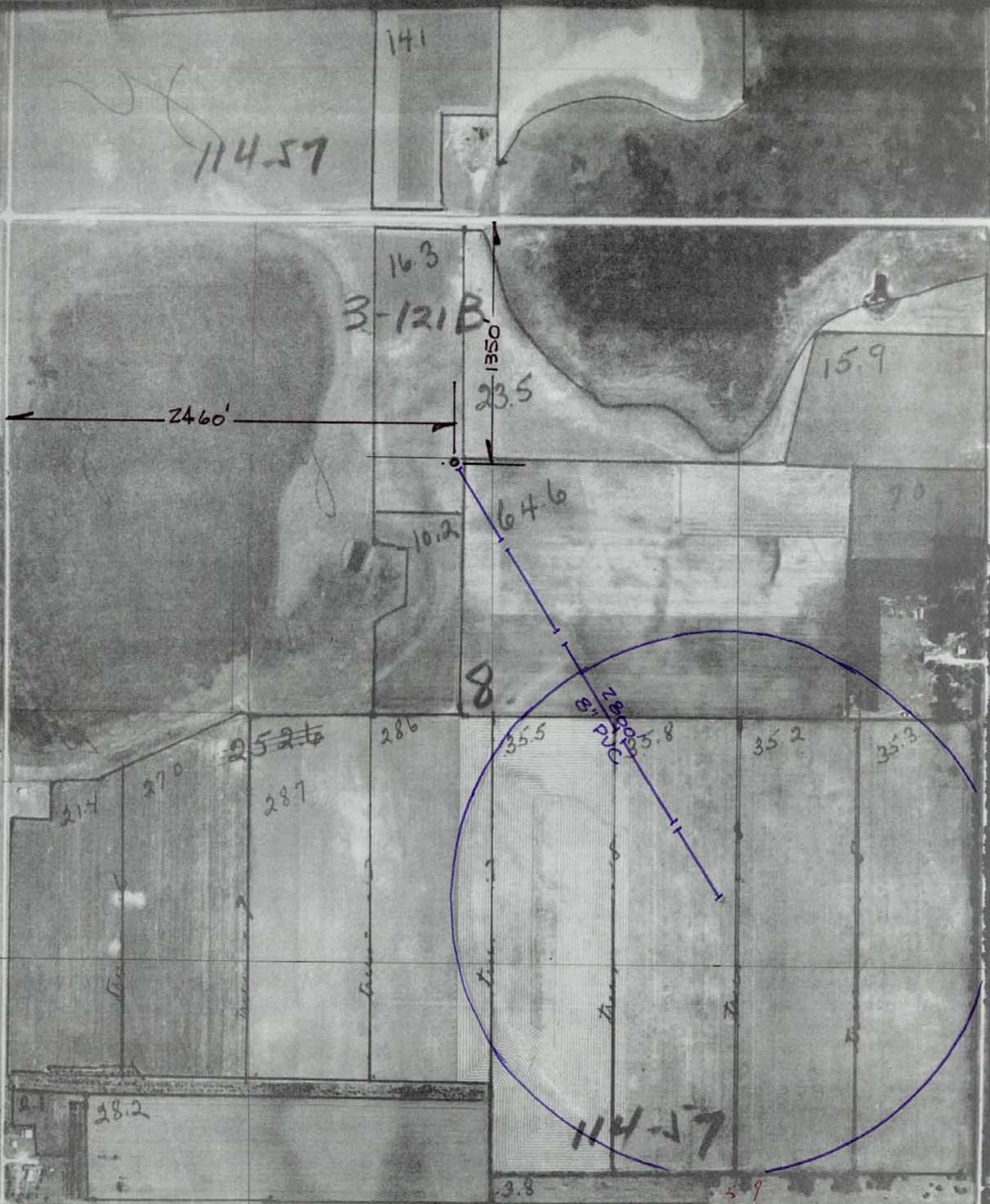
Sincerely,

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

enclosures

NOT TO SCALE

3145-3





3145-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 24, 2006

NOTICE

TO: DWIGHT WARKENTHIEN, HC 3 BOX 38, WILLOW LAKE, SD 57278

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

SUBJECT: Reporting Requirement for 2005 Irrigation Questionnaire(s)

Our records indicate that the 2005 Irrigation Questionnaire has not been submitted for Permit No(s) 3145-3 & 3146-3. The request for the Questionnaire was dated October 28, 2005. The Water Management Board has directed that owners of water permits who have not submitted the 2005 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 10:30 am, March 2, 2006, 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) 3145-3 & 3146-3 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 **February 24, 2006**, 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.



3145-3

Track & Confirm

Current Status

You entered 2303 2160 0000 0799 4541

Your item was delivered at 10:30 am on January 25, 2006 in WILLOW LAKE, SD 57278. The item was signed for by D WARKENTHIEN.

[Shipment Details >](#)

Notification Options

▶ Track & Confirm by email

[What is this?](#)

[Go >](#)

▶ Request Proof of Delivery

[What is this?](#)

[Go >](#)

Track & Confirm

Enter label number:

[Track & Confirm FAQs](#)



POSTAL INSPECTORS
Preserving the Trust

[site map](#) [contact us](#) [government services](#)
Copyright © 1999-2002 USPS. All Rights Reserved. [Terms of Use](#) [Privacy Policy](#)

U.S. Postal Service™ Signature Confirmation™ Receipt

SIGNATURE CONFIRMATION NUMBER:
2303 2160 0000 0799 4541

DWIGHT WARKENTHIEN
HC 3 BOX 38
WILLOW LAKE SD 57278

Waiver of Signature ☐ YES ☐ NO

Postmark
Here

Signature

POSTAL CUSTOMER:

Keep this receipt. For Inquiries:
Access internet web site at
www.usps.com®
or call 1-800-222-1811

CHECK ONE (POSTAL USE ONLY)

- ☐ Priority Mail™ Service
☐ First-Class Mail® parcel
☐ Package Services parcel

PS Form 153, May 2002

(See Reverse)



3145-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 3, 2006

3145-3
3146-3

Dwight Warkenthien
HC Box 38
Willow Lake SD 57278

Dear Mr. Warkenthien:

I am writing to acknowledge receipt of your 2005 irrigation questionnaires. You may disregard the January 24, 2006, "Notice" concerning reporting requirements for Water Right Nos. 3145-3 and 3146-3.

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,

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 18, 2008

NOTICE

TO: DWIGHT WARKENTHIEN, 18596 425TH AVE, WILLOW LAKE, SD 57278

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

SUBJECT: Reporting Requirement for 2007 Irrigation Questionnaire(s)

Our records indicate that the 2007 Irrigation Questionnaire has not been submitted for Permit No(s) 3145-3 & 3146-3. The request for the Questionnaire was dated October 19, 2007. The Water Management Board has directed that owners of water permits who have not submitted the 2007 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 11, 2008**, 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) 3145-3 & 3146-3 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 3, 2008**, you will no longer be in violation of your permit and your name will be deleted 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. If you prefer, you can complete the questionnaire on-line at the following link:

<https://www.state.sd.us/eforms/secure/eforms/E0455V6-IQ.pdf>

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.

3145-3

[Home](#) | [Help](#)[Track & Confirm](#)

Track & Confirm

Search Results

Label/Receipt Number: 2303 2160 0000 0802 4520
Status: **Delivered**

Your item was delivered at 10:18 AM on January 19, 2008 in WILLOW LAKE, SD 57278. The item was signed for by D WARKENTHIEN.

[Additional Details >](#)[Return to USPS.com Home >](#)

Track & Confirm

Enter Label/Receipt Number.

Notification Options

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email. [Go >](#)

Proof of Delivery

Verify who signed for your item by email, fax, or mail. [Go >](#)

[Site Map](#)[Contact Us](#)[Forms](#)[Gov't Services](#)[Jobs](#)[Privacy Policy](#)[Terms of Use](#)[National & Premier Accounts](#)

Copyright© 1999-2007 USPS. All Rights Reserved.

No FEAR Act EEO Data

FOIA



Small text logo



Small text logo

SIGNATURE CONFIRMATION NUMBER: 2303 2160 0000 0802 4520

DWIGHT WARKENTHIEN
18596 425TH AVE
WILLOW LAKE SD 57278

Waiver of Signature ☐ YES ☐ NO

Postmark
Here

POSTAL CUSTOMER:
Keep this receipt. For Inquiries:
Access internet web site at
www.usps.com®
or call 1-800-222-1811

☐ Priority Mail™ Service
☐ First-Class Mail® parcel
☐ Package Services parcel



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 29, 2008

3145-3
3146-3

Dwight Warkenthien
18596 425th Ave
Willow Lake SD 57278

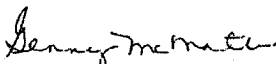
Dear Mr. Warkenthien:

I am writing to acknowledge receipt of your 2007 irrigation questionnaires. You may disregard the January 18, 2008, "Notice" concerning reporting requirements for Water Right Nos. 3145-3 and 3146-3.

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,


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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 23, 2009

NOTICE

TO: DWIGHT WARKENTHIEN, 18596 425TH AVE, WILLOW LAKE, SD 57278

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

SUBJECT: Reporting Requirement for 2008 Irrigation Questionnaire(s)

Our records indicate that the 2008 Irrigation Questionnaire has not been submitted for Permit No(s) 3145-3 & 3146-3. The request for the Questionnaire was dated October 24, 2008. The Water Management Board has directed that owners of water permits who have not submitted the 2008 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 11, 2009**, 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) 3145-3 & 3146-3 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 6, 2009**, you will no longer be in violation of your permit and your name will be deleted 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. If you prefer, you can complete the questionnaire on-line at the following link:
<https://www.state.sd.us/eforms/secure/eforms/E0455V7-IQ.pd>

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

February 17, 2009

3145-3
3146-3

Dwight Warkenthien
18596 425th Ave
Willow Lake SD 57278

Dear Mr. Warkenthien:

I am writing to acknowledge receipt of your 2008 irrigation questionnaires. You may disregard the January 23, 2009, "Notice" concerning reporting requirements for Water Right Nos. 3145-3 and 3146-3.

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 black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 22, 2010

NOTICE

TO: DWIGHT WARKENTHIEN, 18596 425TH AVE, WILLOW LAKE, SD 57278

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

SUBJECT: Reporting Requirement for 2009 Irrigation Questionnaire(s)

Our records indicate that the 2009 Irrigation Questionnaire has not been submitted for Permit No(s) 3145-3 & 3146-3. The request for the Questionnaire was dated October 16, 2009. The Water Management Board has directed that owners of water permits who have not submitted the 2009 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 10, 2010**, 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) 3145-3 & 3146-3 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 5, 2010**, you will no longer be in violation of your permit and your name will be deleted 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. If you prefer, you can complete the questionnaire online at the following link: <https://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.



3145-3

[Home](#) | [Help](#) | [Sign In](#)[Track & Confirm](#)[FAQs](#)

Track & Confirm

Search Results

Label/Receipt Number: 2303 2160 0000 0802 8405

Service(s): **Signature Confirmation™**Status: **Delivered**

Your item was delivered at 10:18 AM on January 23, 2010 in WILLOW LAKE, SD 57278. The item was signed for by K WARKENTHIEN.

Track & Confirm

Enter Label/Receipt Number.

[Go >](#)

Notification Options

Track & Confirm by email

Get current event information or updates for your item sent to you or others by email. [Go >](#)

Proof of Delivery

Verify who signed for your item by email, fax, or mail. [Go >](#)[Site Map](#)[Customer Service](#)[Forms](#)[Gov't Services](#)[Careers](#)[Privacy Policy](#)[Terms of Use](#)[Business Customer Gateway](#)

Copyright© 2010 USPS. All Rights Reserved.

No FEAR Act EEO Data

FOIA

SIGNATURE CONFIRMATION NUMBER:
2303 2160 0000 0802 8405

DWIGHT WARKENTHIEN
18596 425TH AVE
WILLOW LAKE SD 57278

Waiver of Signature ☐ YES ☐ NO

Postmark Here

POSTAL CUSTOMER:
Keep this receipt. For Inquiries:
Access internet web site at
www.usps.com
or call 1-800-222-1811

☐ Priority Mail™ Service
☐ First-Class Mail® parcel
☐ Package Services parcel



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 2, 2010

3145-3
3146-3

Dwight Warkenthien
18596 425th Ave
Willow Lake SD 57278

Dear Mr. Warkenthien:

I am writing to acknowledge receipt of your 2009 irrigation questionnaires. You may disregard the January 22, 2010, "Notice" concerning reporting requirements for Water Right Nos. 3145-3 and 3146-3.

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,

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



8125-3 3
3145-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 12, 2023

Dwight Warkenthien
18596 425th Ave
Willow Lake SD 57278

Dear Mr. Warkenthien:

In June of this year, staff engineer Darrel DeBoer conducted a field inspection for the licensing of your Water Permit No. 8125-3, authorizing the irrigation (from one well) of 280 acres within Sections 8 & 9, T114N, R57W.

Some parts of the acreage in Section 8 are also authorized for irrigation under Water Right No. 3145-3 (outlined in orange on the enclosed map). I have enclosed copies of Permit No. 8125-3 and Right No. 3145-3 for you to reference.

The inspection lists the irrigated acres as follows: for a total of 308.5 irrigated acres.

Section 8, T114N, R57W	Section 9, T114N, R57W
SW ¼ NE ¼ 38.5 - 11 = 27.5 ac	SW ¼ NW ¼ 35.0 ac
SE ¼ NE ¼ 18.0 - 9 = 9.0 ac	SE ¼ NW ¼ 33.5 ac
SE ¼ NW ¼ 7.0 ac	NW ¼ SW ¼ 35.0 ac
NE ¼ SW ¼ 39.5 - 2 = 37.5 ac	NE ¼ SW ¼ 31.5 ac
NW ¼ SW ¼ 29.5 ac	
SW ¼ SW ¼ 28.0 ac	
SE ¼ SW ¼ 35.0 ac	308.5 - 280 = 28.5 ac

Permit No. 8125-3 only authorizes 280 acres, leaving 28.5 acres irrigated without the proper authorization. For your convenience I have enclosed a partially completed Water Permit Application to cover the 28.5 acres. The fee for Inspection/Licensing would be waived, as it's already been paid under Permit No. 8125-3, leaving a balance due of \$500.00.

If you have any questions or concerns, I'd be happy to help.

Sincerely,

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



8125-3 & 3145-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

October 12, 2023

Dwight Warkenthien
18596 425th Ave
Willow Lake SD 57278

Dear Mr. Warkenthien:

In June of this year, staff engineer Darrel DeBoer conducted a field inspection for the licensing of your Water Permit No. 8125-3, authorizing the irrigation (from one well) of 280 acres within Sections 8 & 9, T114N, R57W.

Some parts of the acreage in Section 8 are also authorized for irrigation under Water Right No. 3145-3 (outlined in orange on the enclosed map). I have enclosed copies of Permit No. 8125-3 and Right No. 3145-3 for you to reference.

The inspection lists the irrigated acres as follows: for a total of 308.5 irrigated acres.

Section 8, T114N, R57W
SW ¼ NE ¼ 38.5 - 11 = 27.5 ac
SE ¼ NE ¼ 18.0 - 9 = 9.0 ac
SE ¼ NW ¼ 7.0 ac
NE ¼ SW ¼ 39.5 - 2 = 37.5 ac
NW ¼ SW ¼ 29.5 ac
SW ¼ SW ¼ 28.0 ac
SE ¼ SW ¼ 35.0 ac

Section 9, T114N, R57W
SW ¼ NW ¼ 35.0 ac
SE ¼ NW ¼ 33.5 ac
NW ¼ SW ¼ 35.0 ac
NE ¼ SW ¼ 31.5 ac

308.5 - 280 = 28.5 ac

Permit No. 8125-3 only authorizes 280 acres, leaving 28.5 acres irrigated without the proper authorization. For your convenience I have enclosed a partially completed Water Permit Application to cover the 28.5 acres. The fee for Inspection/Licensing would be waived, as it's already been paid under Permit No. 8125-3, leaving a balance due of \$500.00.

If you have any questions or concerns, I'd be happy to help.

Sincerely,

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

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 8125-3

I have this day, June 8, 2023, made a thorough examination of the water use system constructed by Dwight Warkenthein, 18596 425th Ave, Willow Lake, SD 57278 of Permit No. 8125-3, bearing the priority of April 6, 2015 authorizing the diversion of 2.67 cu. ft. per second of the waters of the Vermillion East Fork: Willow Lake Management unit Aquifer for irrigation purposes, in Clark County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Sam Heine Well Co.
- 2) No. of Wells 1
- 3) Depth(s) 160 feet
- 4) Well log is available Y

Casing: (SEE Section F)

- 1) Diameter _____ inches
- 2) Length _____ feet
- 3) Type _____

Screen:

- 1) Type _____
- 2) Length _____ feet
- 3) Static water level 10 feet

Pump:

- 1) Make Submersible
- 2) Model Unknown
- 3) Size Unknown
- 4) Capacity 1000 GPM

Motor:

- 1) Make Unknown
- 2) Model No. Unknown
- 3) Horsepower rating unknown hp

*emailed for
well log 3/10/11
pump rate*

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

280 permitted

for Application of Water to Beneficial Use
 nit No. 8125-3

ation of the water use system constructed by Dwight
78 of Permit No. 8125-3, bearing the priority of April 6,
 of the waters of the Vermillion East Fork: Willow Lake
Clark County.

SEC 8

SE NW	7.0
SW NE	27.5
SE NE	9.0
NW SW	29.5
SW SW	28.0
NE SW	37.5
SE SW	35.0

SEC 9

SW NW	35.0
SE NW	33.5
NW SW	35.0
NE SW	31.5

<u>308.5</u>	
<u>- 280</u>	
<u>28.5</u>	

2 for
 4 3/4 pump rate
 10/11

Capacity 1000 GPM

Motor:

- 1) Make Unknown
- 2) Model No. Unknown
- 3) Horsepower rating unknown hp

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

- 1) Type Buried PVC 2) Size 8 inches 3) Length 7400 feet

C. Works used to apply water to beneficial use:

Center pivot:

- 1) Make 3- Valleys
- 2) Overall length 1300 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 1000 each GPM

Chemigation Equipment:

- 1) Does chemigate Y

Comments: Uses commercially available injection equipment

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by N

If no, describe: **Permit is for 280 acres; actual irrigated area is 330.5 acres**

- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
- 3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: **WELL LOCATION**
From the SW corner Sec 8 T114N R57W WELL #1: 4040 ft N & 2370 ft E, Lat 44.69997 Long - 97.70618 (NE ¼ NW ¼)
2. The works are capable of diverting and conveying to the place of use 2.22 cu. 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:

legal description/acreage

Land in Sec 8 T114N R57W

NW SW – 29.5 acres
NE SW – 39.5 acres
SE SW – 35.0 acres
SW SW – 28.0 acres
SE NW – 7.0 acres
SW NE – 38.5 acres
SE NE – 18.0 acres

legal description/acreage

Land in Sec 9 T114N R57W

SW NW – 35.0 acres
SE NW – 33.5 acres
NE SW – 31.5 acres
NW SW – 35.0 acres

comprising a total of 330.5 acres of land and the license should be issued for 2.22 cfs (WELL CONTROLS)

3. All structures, wells and lands on map Y

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

The irrigated acreage was estimated with the aid of FSA imagery and ArcMAPS software.

The pump rate reported in a recent Irrigation Questionnaire was used to establish the system flow capacity.

The mailing address and the telephone number in the permit materials are current

I talked to Dwight Warkenthien during the field inspection visit.

The details for WELL # 1 are not available at this time. I wrote Sam Heine a letter on July 10, 2023 requesting a Well Completion Report but have not received a response as of today. It should be very similar to WELL #2 as they are very close to each other. Eric suggested I forward what I have completed and let your office follow up as needed.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: October 6, 2023

SOUTH DAKOTA WATER WELL COMPLETION REPORT

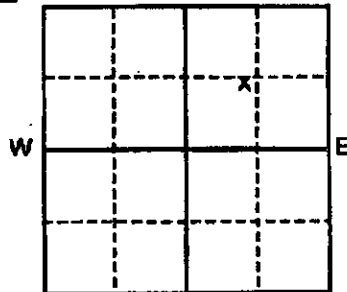
11-02

Location SW ¼ NE ¼ Sec 8 Twp 114N Rg 57W

County Clark

North

Please mark well location with an "X"



Well Completion Date

March 25, 2015

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2,300.0 ft. from SEPTIC TANK (Identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

ROTARY

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe NONE

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	12	9.5 Lb/gal	0.0 Ft	180.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ Feet
 Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No
 If so, what material? _____
 Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, Now?
☐ No, Why Not?
 Lab to which water quality sample sent for analysis _____

Well Owner: DWIGHT WARKENTHIEN

Business Name:

Address: 18596 425TH AVE.

City, State, Zip: WILLOW LAKE SD 57278

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	3
SAND/GRAVEL	3	77
GRAVEL	77	110
CLAY/MED SAND	110	120
MED SAND	120	135
CLAY/ MED SAND	135	160
CLAY BLUE	160	180

STATIC WATER LEVEL 10.0 FEET

If flowing: closed in pressure _____ PSI
GPM flow _____ through _____ inch pipeControlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe: _____
☐ Bailed
☐ Other

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

1000 to 1200 gals
 This well will water sec 8
 and sec 9

This well was drilled under license # 805 and this report is true and accurate.

Drilling firm: SAM HEINE WELL COMPANY, LLC

Signature of License Representative

Signature of Well Owner or Equitable Property Holder:

RECEIVED

Date:

APR - 6 2015

WATER RIGHTS
PROGRAM

Water Rights Program - File Documentation

NAME: Dave Gullickson for Dwight Warkenthien

ADDRESS: Farmers Implement, Brookings

DATE: 4-6-15 **COUNTY:** Clark **TELEPHONE:**

RE: Amending applications

COMMENTS:

On April 6, 2015, Dave Gullickson amended the two applications he submitted on behalf of Dwight Warkenthien, Willow Lake SD.

Dave Gullickson stated the applications were being changed based on the test holes which were recently drilled. Regarding the application for irrigation in Section 9-T114N-R57W, they did not find sufficient water in Section 9 so they would like the acres to be irrigated in S 1/2 NW 1/4, N 1/2 SW 1/4 Section 9 (140 acres) added to the application for irrigation in the SW 1/4 Section 8 (140 acres). The well located in the NE 1/4 SW 1/4 Section 8-T114N-R57W will supply water to both pivots.

Mr. Warkenthien would also like to install a half circle pivot irrigate 60 acres in the NE 1/4 NW 1/4, N 1/2 NE 1/4 Section 17-T114N-R57W from a well located in the approximate center of the N 1/2 NE 1/4 Section 17.

I prepared and emailed draft of the two amended applications as described to Mr. Gullickson for his review and signature. Mr. Gullickson stated they were correct.

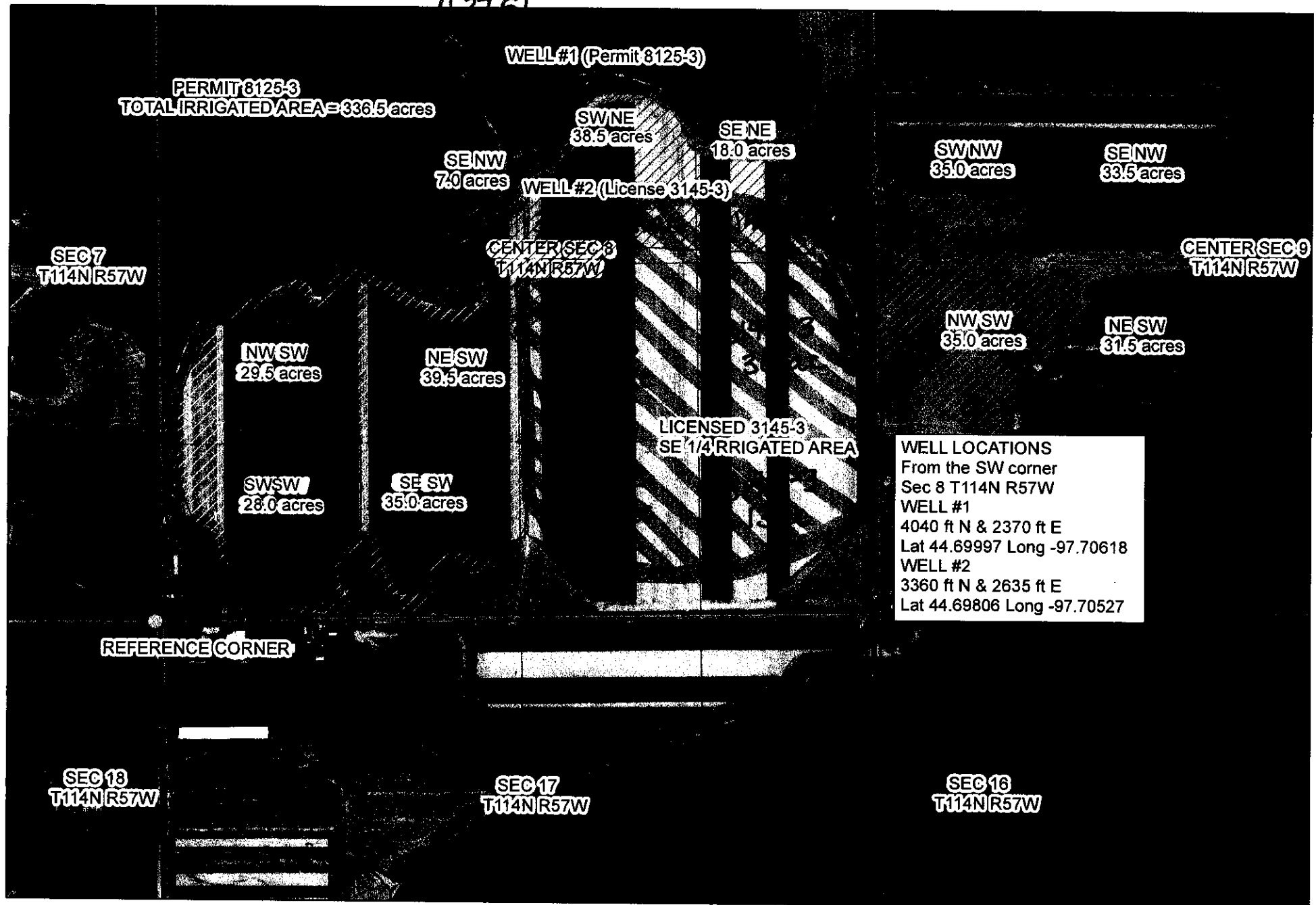
Since numbers were already given for two applications, the amended applications will be assigned those numbers. Application No. 8125-3 for irrigation in Sections 8 and 9, will retain the February 19, 2015 priority date. The application for irrigation in Section 17 is new, therefore, Application No. 8124-3 will receive a priority date of April 6, 2015.



Karen Schlaak
Water Rights Program

38.6 ac
- 11 (under 3145-3)
1276

8125-3



0 0.125 0.25 0.5 0.75 1 Miles



Danell DeBoer
Water Right Inspector
DNR Water Rights Program