

1. Considered 1-22, 1976 2479-3
2. Name of Applicant HAROLD L. NTGEN
3. Post Office Address ESTELLINE
4. Amount of water claimed ~~4.3~~ 4.25
5. Source of water supply GROUND WATER (65' DEEP WELL)
6. Water to be used for IRRIGATION
- Acres to be irrigated 298
7. Water to be diverted and used in HAMLIN county
about 4 N miles of ESTELLINE
8. Proof of Publication Received 12-30-75
 Not Received
9. Application Approved
 Subject to
 Not Approved
 Action deferred
10. Remarks:

No. 2479-3Map No. 1854-3 Water Division No. 3 BIG SIBUX RIVER District
(Blanks to be Filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

8.54

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Harold Lantgen
Postoffice address Estelene, State S. Dak.
If a corporation show date and place of incorporation N.A.
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract & Direct Labor
3. Name of diversion work Harold Lantgen Irrigation Project #2
4. Amount of water claimed (cubic feet per second) 4.3
5. Source of water supply well
6. Location of point of diversion 330' N 5° E of SW corner Sec 2-113-51

- County Hamlin
7. Annual period or periods during which water is to be used April through October
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 322 298

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.	Description	No. Acres Irr.
N 1/4 of SW 1/4 Sec 2-113-51	32 3/4	N 1/4 of SE 1/4 Sec 2-113-51	40
NE 1/4 of SW 1/4 Sec 2-113-51	40	NE 1/4 of SE 1/4 Sec 2-113-51	37
SW 1/4 of SW 1/4 Sec 2-113-51	36	SW 1/4 of SE 1/4 Sec 2-113-51	39
SE 1/4 of SW 1/4 Sec 2-113-51	39	SE 1/4 of SE 1/4 Sec 2-113-51	33

Attach sheet if more space is needed

10. Time required to complete construction of water supply system Five years. Additional time required to complete application of water to the proposed beneficial use three years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Water town Public Opinion
12. Principal Features of the Proposed Water Supply System.

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

well with electrically driven deep well turbine

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

closed conduit

C. Works proposed to apply water to beneficial use.

center pivot irrigation machineEstimated Total Cost \$ 42,000

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

County of HamlinI, Harold Lantgen 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.

Subscribed and sworn to before me this

Signed Harold Lantgen18 day of Nov 1975Laurence Gratz
Notary Public (or other qualified officer)

LAURENCE GRATZ
Notary Public, Hamlin County, S. D.
My Commission Expires Nov. 17, 1983

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2479-3
HAROLD LANTGEN ESTELLINE
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57234 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 DECEMBER 15, 1975
 Date of return to applicant for correction, amendments or changes required —, 19—
 Date of receipt of corrected application —, 19—
 Approved JANUARY 23, 1976, Recorded in Book 14 Page 235

WATER RIGHT PERMIT NO. 2479.3
 The Water Rights Commission hereby grants and issues this Water Right Permit No. 2479.3 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 DECEMBER 15, 1975
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 23, 1978
3. The whole of said work is to be completed on or before JANUARY 23, 1981
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 23, 1984
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 4.25 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 JANUARY 23, 1984; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 30TH day of JANUARY, 1976

WATER RIGHTS COMMISSION

By:

John M. Hatch
 Chief Engineer Executive Officer

Certificate of Construction Issued JULY 14, 1981

Water License Issued JULY 14, 1981

2479

(1) WELL CONSTRUCTION

Location of well: _____ 1/4 _____ 1/4 _____ Section _____ Township _____ Range _____
Well owner: Harold Kuntz (Name) Estlin, O.D. (Address)
Date well drilling completed: 6/24/76 Purpose of well: Domestic
(domestic, irrigation, municipal, industrial, other)

WELL LOG

[illegible]

Attach sheet if more space is needed

Empire Drilling & Drilling Co. Inc.
Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump 400 pumps - 12000 8" HP 100
Type of pump turbine Capacity of installed pump 0.00 G.P.M.
Depth of pump placement 210 ft., Date of pump installation 10/30/76

(3) WATER SURFACE MEASURING TUBE

On some wells an air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.

Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____, tube material _____.

Empire Engineering & Machine Co.
Name of Pump Installation Contractor

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 8.2", Depth 65'
- (2) Casing, Type STEEL Diameter 14" Thickness .330
(wood, concrete, steel, etc.)
- (3) Perforated Screen:
WIRE WOUND
Type JOHNSON IRRIGATOR, Diameter 14", Length 15'
- (4) Gravel Pack, Thickness 4", Length of gravel pack 20'

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 COARSE GRAVEL

Depth to top of water bearing material 870'

Depth to bottom of water bearing material 40'-45'

Thickness of water bearing material 40'-45'

Depth to water (ground surface to water level) 20'

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

On same owner's property 320 rds. On property owned by others 120 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.

M. D. P. A.
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 Well Irrigation Only)

FOR COMMISSION USE ONLY

Irrigation System: _____

Water Quality: _____

Soils Capability: _____

Approved: [Signature]

Disapproved: _____

NAME: Harold Lantgen
ADDRESS: Estelline, S. Dak
COUNTY: Hamlin

LEGAL DESCRIPTION

1. WELL LOCATION: Southwest corner of S. 1. 2. 113-51.
2. AREA TO BE IRRIGATED: 200 acres

TYPE OF IRRIGATION

3. GRAVITY _____ SPRINKLER (Indicate Type): Center Pivot
4. CROPS TO BE IRRIGATED: Corn and alfalfa

LAND CAPABILITY FOR IRRIGATION

5. PERCENTAGE OF SLOPE: 4%
6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION: The conservation soil survey says the soil is sand and clay. (There are no American clay soils in this area - may be some clay from N.D. line)

WATER QUALITY (To Be Completed by Commission)

7. SAMPLE NO: 75-1039
8. SALINITY: EC = 708 μ mhos/cm (medium)
9. SODIUM: SAR = 0.11 (low)



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

Soil Conservation Service

and:

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

Harold Linton

Subscribed and sworn before me this

7 day of Oct 19 75.

Laurence Gratz
notary

(Title)

LAUFENCE GRATZ
Notary Public, Hamlin County, S. D.
Commission Expires Nov. 17, 1975

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

Submitted by: Harold Lentgen
 Address: Estelline, SD 57234

Date Rec'd November 3, 1975
 Sample No. 75-1039
 Identification Coll-
S2, Sec. 2, T 113N, R 51W

WATER ANALYSIS

Calcium (Ca)	90	ppm*	4.50	me/l**
Magnesium (Mg)	47	ppm	3.55	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	2	ppm	0.05	me/l
Sulfate (SO ₄)	96	ppm	2.00	me/l
Nitrate (as N)	88	ppm		me/l
Chloride (Cl)	7	ppm	0.20	me/l
Bicarbonate (HCO ₃)	322	ppm	5.28	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)	264	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	708	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.11			
Sodium	2.55	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.50			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 8.62 me/l
 Total anions 7.48 me/l

By: Shirley Mittan

Service Performed

Amount Due

Irrigation analysis

66.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-1039

Amount Enclosed \$

Signed

November 12, 1975



Mr. Harold Lantgen
Estelline, SD 57234

Dear M. Lantgen:

Your water sample received here November 3 has been given the laboratory number of 75-1039. The analysis has been finished and the report of analysis is enclosed herewith.

The water quality is quite satisfactory for irrigation of most soils in eastern South Dakota. There should be no chemically induced difficulty either with salt accumulation or with sodium-caused dispersion of colloids. You should, however, observe the general rules of application rates which are consistent with the intake rate of the soil. This we have no information on, so I can make no statement.

The WI-1 form which you submitted, and a copy of this letter and of the water analysis are being sent to the State Conservation Commission in Pierre.

Sincerely yours,

L.O. Fine

L. O. Fine
Water Quality Lab

LOF:ckb
Enclosures
cc: State Conservation Commission
D. Pahl
Harold Campbell, County Extension Agent

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

Harold P. Hughes

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

2M4Gal Buse - Barnes = Soils with over 9% slopes should not be irrigated.
10-1

THE SOIL(S) LISTED BELOW CAN BE IRRIGATED WITH THE FOLLOWING RESTRICTIONS:

2M4Gal Base - Barnes = Due to steepness of slope these
10-1 soils should be kept in permanent vegetation.

214U
2-1 Brookings = These soils are located in natural drainage ways and should be left in permanent vegetation such as alfalfa grass mixture. These soils are indicated by red hatch marks.

RECOMMENDED MANAGEMENT

[illegible]

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

Submitted by: Harold Lentgen
 Address: Estelline, SD 57234

Date Rec'd: November 3, 1975
 Sample No.: 75-1039
 Identification: 611-
Lab, Sec. 2, 2113E, R 51

WATER ANALYSIS

Calcium (Ca)	90	ppm*	4.50	me/l**
Magnesium (Mg)	47	ppm	3.85	me/l
Sodium (Na)	5	ppm	0.22	me/l
Potassium (K)	2	ppm	0.05	me/l
Sulfate (SO ₄)	96	ppm	2.00	me/l
Nitrate (as N)	88	ppm		me/l
Chloride (Cl)	7	ppm	0.20	me/l
Bicarbonate (HCO ₃)	322	ppm	5.23	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)	264	ppm (as CaCO ₃)		
Alkalinity (Penolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	708	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.11			
Sodium	2.55	% of cations		
Residual sodium carbonate	0.30	me/l		
pH	7.50			
Others:				

*ppm=parts per million

**me/l=milliequivalents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 8.60 me/l
 Total anions 7.48 me/l

By: Shirley Mitman

Service Performed	Amount Due
Irrigation analysis	\$6.00

Make checks payable to: Water Quality Laboratory

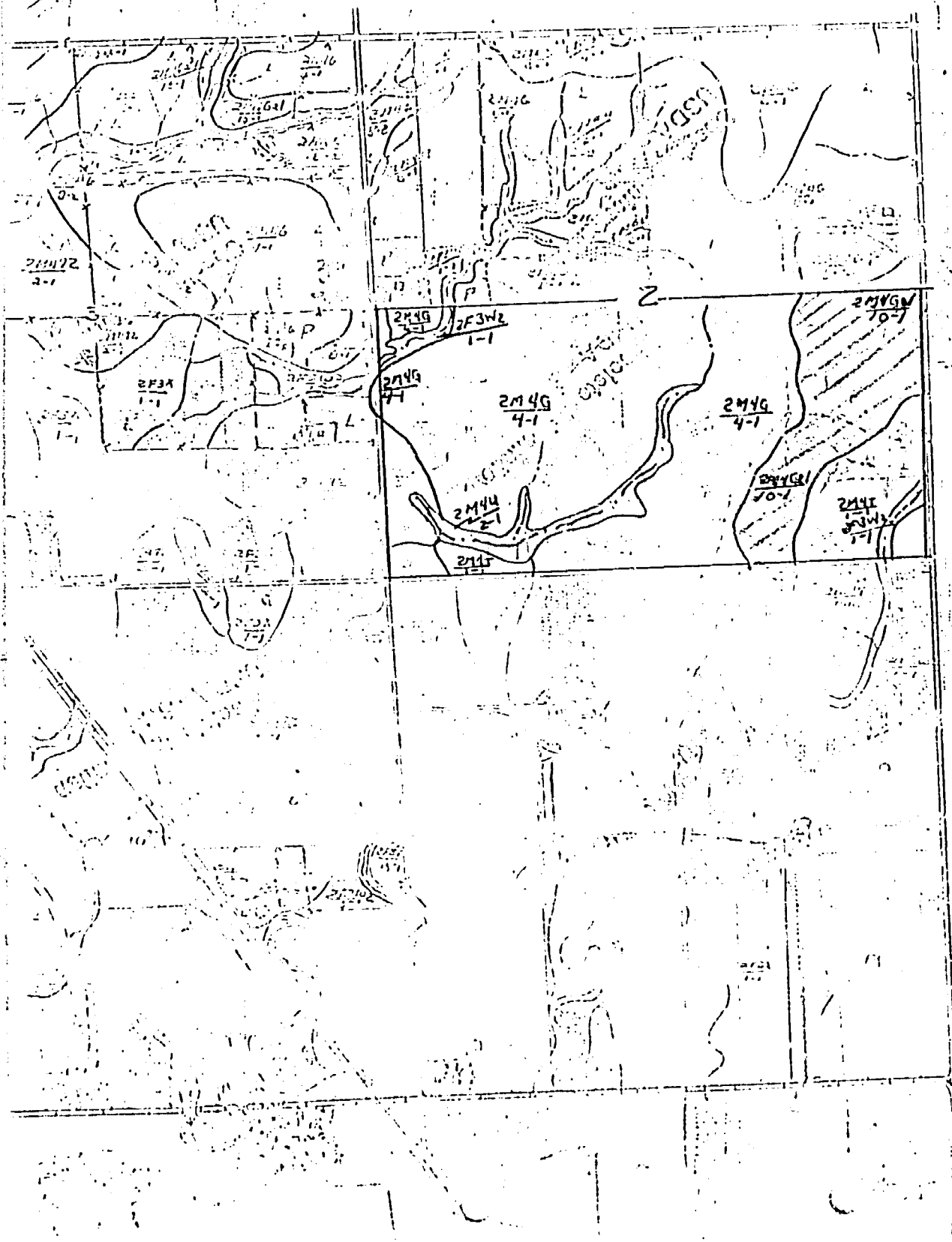
Cut along dotted line and return the lower portion with payment

Sample No. 75-1039

Amount Enclosed \$

Signed

11



STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2479-3

(1) WHEREAS, On the 15th day of December A. D. 19 75
Harold Lantoon
 made Water Right Application No. 2479-3 for a permit to use 4.25 cubic feet per second of the waters
 of groundwater (one well)
 County of Harlin, State of South Dakota, for irrigation
purposes; and
 (2) WHEREAS, On the 23rd day of January A. D. 19 76
 Permit No. 2479-3, with a date of priority of December 15, 1975
 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 23rd day of January A. D. 19 81 and for the
 application to beneficial use of said water on or before the 23rd day of January A. D. 19 84

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 2, T113N, R51W

	acres	
NE ¹ / ₄ SW ¹ / ₄	34	CE
NE ¹ / ₄ SW ¹ / ₄	35	CA
SW ¹ / ₄ SW ¹ / ₄	34	CC
SE ¹ / ₄ SW ¹ / ₄	35	CD
NW ¹ / ₄ SE ¹ / ₄	37	DE
NE ¹ / ₄ SE ¹ / ₄	23	DA
SW ¹ / ₄ SE ¹ / ₄	37	DC
SE ¹ / ₄ SE ¹ / ₄	23	DD
TOTAL 258 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 Harold Lantgen

_____ of Estelline

the holder _____ and owner _____ of said permit No. 2475-2 a water right, dating from December 15, 1975

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

of groundwater (one well)

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

purposes hereinbelow mentioned, to be diverted at a point 180 feet north and 120 feet east of the

SW corner, Section 2, T113N, R51W (CC)

and conducted to and upon _____ portions of land in Section 2, T113N, R51W more

_____ fully described on the face of this license

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 2475-2 and subject to the laws of the State of South Dakota.

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

this 6th day of November A. D.

Nineteen Hundred and Eighty-One

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer

JOHN HATCH

Permit No. 2479-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Harold Lantgen

_____ the holder _____ of
Permit No. 2479-3, issued upon Application No. 2479-3, bearing date of priority of December 15,
1975 authorizing the diversion of 4.25 cu. ft. per second of the waters of _____
groundwater (one well) County of Hamlin, State of South Dakota at _____
a point 180 feet north and 120 feet east of the SW. corner, Section 2,
T113N, R51W (CC)
_____, 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 cu. ft. per second of water.

Date November 6, 1981



JOHN HATCH, Chief Engineer
Water Rights Division

Publish first publication, on or before January 8, 1976NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 16, 1975

Notice is hereby given that Harold Lantgen
whose post office address is Watkins, 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

1.25 cubic feet of water per second of time from the ground water through the
Lantgen Irrigation Project #2, the point of diversion of which is to be located in the _____

_____ of Section 2, Twp. 113N, Range 51W. Said water to be used for the purpose
of providing irrigation on portions of the following described land:

54. Section 2, T113N, R51W

This application No. 2479-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 22nd day of January, 1976, at 2:30 PM M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Harold Lantgen

Form 9 - Proof of Publication - Notice of
Intent to Appropriate Water

No. 2479-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Codington) ss.

I, John R. Lowrie hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Watertown Public Opinion

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

Dec. 20, 1975

Dec. 27, 1975


(Signature)
General Manager
(Title)

Dec. 27, 1975

(Date Signed)

PUBLIC NOTICE

No. 2479-3

NOTICE INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501

December 16, 1975

Notice is hereby given that Harold
Lantgen whose post office address is
Estelline, South Dakota, has made
an application in accordance with
the provisions of the water laws of
South Dakota for a permit to ap-
propriate for beneficial use 4.25
cubic feet of water per second of
time from the ground water through
the Lantgen Irrigation Project No. 2,
the point of diversion of which is to
be located in the SW1/4 SW1/4 of
Section 2, Twp. 113N, Range 51W.
Said water to be used for the purpose
of providing irrigation on portions of
the following described land: S1/2,
Section 2, T113N, R51W.

This application No. 2479-3 will be
considered by the Water Rights
Commission at their office at Pierre
upon the 22nd day of January, 1976,
at 2:30 P.M. All interested persons
may appear and be heard.

WATER RIGHTS
COMMISSION

By: BURTON F. JONES

Water Rights Specialist

(December 20, 27, 1975)

34 @ 2-25X2-1462

Form 10.

No. 2479-3

NOTICE OF COMPLETION OF WORKS AND/OR APPLICATION OF WATER TO BENEFICIAL USE
DEPARTMENT OF NATURAL RESOURCE DEVELOPMENT

DIVISION OF WATER RIGHTS

JOE FOSS BUILDING

PIERRE, SOUTH DAKOTA 57501

Post Office Estlinville, S.D.

Date _____

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

Dear Sirs:

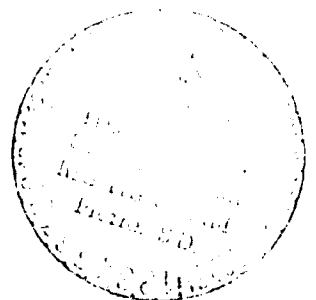
This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. ~~2479-3~~ 2479-3

Water Right Permit No. ~~2479-3~~ 2479-3 states that the diversion system is to be constructed by _____, 19 2479-3 and that the water is to be put to beneficial use by _____,

The diversion system was completed on July, 19 76. Applying the water to beneficial use was completed on July, 19 76.

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.

Harold Lantgen
(Signature)



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 8381

PIERRE, July 10, 1931

RECEIVED OF Harold Hanson, Estelline, SD 57234
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. <u>2472-3</u>	-----	12.00
Fee for inspecting Beneficial Use, and issuing Water License No. <u>2472-3</u>		
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 (Wm. J. L. FITE)
Chief Engineer, Executive Officer
John Hatch / C.E.

Soil water 11.00 g/g
11.00 g/g

2477-7 Haverhill, Mass.

6-29-78 Well 16' deep, 12" dia. 12' dia.
to water

Well depth 65' Water 15.4

Pumping 1000 gpm, 1000 gpm

Water 11.00 g/g 12.00 g/g

1000 gpm - 20.00 g/g 12.00 g/g

Pump 1000 gpm, 1000 gpm

12 m dia, 12 m dia

GPM 900, TDH 520 FT. 4.5 g/g

1770 RPM, Imp. dia 8.75

Serial K3A 2080034

8" dia 11.00 g/g 11.00 g/g

11.00 g/g 11.00 g/g

Model 1-5 E6 L. 17541375

11.00 g/g 11.00 g/g

11.00 g/g 11.00 g/g

Permit No. 2479-3Water Division 3 Big Sioux River Water DistrictREPORT 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 HAROLD
LANTGEN of ESTELLINE holder
of Permit No. 2479-3, bearing date of priority of DECEMBER 15, 1975
authorizing the diversion of 4.25 cu. ft. per second of the waters of GROUNDWATER
for IRRIGATION purposes, in HAMLIN 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:
65' DEEP WELL WITH 16" FIBREGLAS CASING, WITH 40' OF
16" FIBREGLAS SCREEN. FAIRBANKS MORSE 8" PUMP-SIZE
12M - 4 STAGE WITH 12" BOWLS. POWERED BY 100 HP.
USE ELECTRIC MOTOR @ 1770 RPM - # R2095336
- B. Works used to transport water to place of use,
1330' OF 8" BURIED PVC (200 PSI) TO WEST PIVOT POINT
2590' OF 8" BURIED PVC (150 PSI) TO EAST PIVOT POINT
- C. Works used to apply water to beneficial use.
ELECTROGATOR (ALUMIGATOR) 8 TOWER CENTER PIVOT
SYSTEM WITH NELSON #100 END GUN - PIVOT IS TOWED
BETWEEN TWO PIVOT POINTS

The system is in the following condition: GOODThe point of diversion is located 180' N & 120' E OF THE SW CORNER.SECTION 2, T113N, R51WThe works are capable of diverting and conveying to the place of use 2.00 (900 GPM)cu. ft. per second of water which is to be used for IRRIGATIONWater has been put to beneficial use to the maximum extent as follows: ALL IN SEC 2, T113N, R51W

<u>NW¹SW⁴</u>	<u>34 ACRES</u>	<u>NW¹SE⁴</u>	<u>37 ACRES</u>
<u>NE⁴SW⁴</u>	<u>35 "</u>	<u>NE⁴SE⁴</u>	<u>23 "</u>
<u>SW⁴SW⁴</u>	<u>34 "</u>	<u>SW⁴SE⁴</u>	<u>37 "</u>
<u>SE⁴SW⁴</u>	<u>35 "</u>	<u>SE⁴SE⁴</u>	<u>23 "</u>

comprising a total of 258 acres of land.

Date

JUNE 23, 1981
Barton Jones
(Signature)

Water Rights Division
605 773-3352

August 24, 1981

Harold Lantgen
Estelline,
South Dakota 57234

Dear Mr. Lantgen:

In writing up the Water License & Certificate of Completion of Works it was discovered that your Water Permit No. 2479-3 does not have soil/water compatibility approval for 58 acres in the S $\frac{1}{2}$ of Section 2-T113N-R51W. The approval was for only 200 acres.

To bring your permit into conformance with the laws, the State Conservation Commission will be sending you their WI-1 form for your signature. This will be brought before their Commission for approval.

Upon receipt of the approval your Water License and Certificate of Completion of Works will be forwarded to you.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH:kw

cc: Martin Gertonson
State Conservation Comm.

August 27, 1981

Harold Lantgen
Estelline,
South Dakota 57234

Dear Mr. Lantgen:

I have been notified by Water Rights that you do not have soil and water compatibility for 58 acres in the S $\frac{1}{2}$ of Section 2, T-113, R-51, that you are presently irrigating.

I have enclosed a WI#1 form for you to sign and notarize. This form along with a water sample from your irrigation well and the proper soils information should be sent to the Water Quality Laboratory at Brookings.

If you have any questions, please contact me.

Sincerely yours,

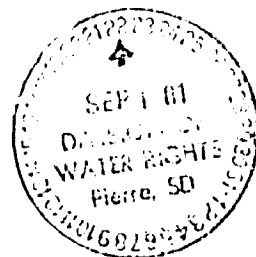
Martin Gertonson, (Acting) Program Director
IRRIGATION PROGRAM

M/

Enclosures

cc: Betty Westlund
Water Rights Specialist

*Rec'd 300
8/31/81
J. Westlund*



September 14, 1981

Harold Lantgen
Estelline, SD 57234

Dear Mr. Lantgen:

Enclosed is your copy of the laboratory report of analysis for water sample No. 81-1086.

I have plotted the approximate quality of your water by means of a red cross in the chart located on the back cover of the accompanying AES pamphlet #13.

Sample No. 81-1086 is classified as a high saline, low sodic water. It is suitable as a source for irrigation.

The Fordville loam and Vienna silty clay loam soils found in the S 1/2 of Section 2-113-51 are compatible with the quality of your water. However, the Buse-Barnes complex located in the SE 1/4 of Sec. 2 is a thin soil developed on gently undulating to steep slope. This area may produce severe water erosion problems. Also, the Brookings silt clay loam stream channel in the SW 1/4 of Sec. 2 may pond under irrigation. This is also true for the soil series marked 273W2/1-1 found in the NW 1/4 of the SW 1/4 and SE 1/4 of the SE 1/4. Persistent wet spots in these areas should be kept in grass or a grass/alfalfa mixture.

If a rising water table or an erosion problem does occur, please contact your county extension agent or this office for assistance.

The WI-1, soils information, and a copy of the water analysis are being forwarded to the Division of Conservation for their action.

Sincerely yours,

Michael H. Sanders
Water Quality Lab
Division of Conservation

MHS:ckb

Enclosures

cc: Division of Conservation
D. Pahl, Extension Service
Water & Natural Resources

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57007

Name:	HAROLD LANTGEN	Date Rec'd	Aug 31 1931
Address	ESTELLINE, SD	Sample No.	81-1036
	57231	Identification	Well
			113851.02c

WATER ANALYSIS

Calcium (Ca)	112	ppm*	5.59	me/l**
Magnesium (Mg)	36	ppm	2.96	me/l
Sodium (Na)	18	ppm	0.73	me/l
Potassium (K)	2	ppm	0.05	me/l
Sulfate (SO4)	138	ppm	3.91	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	17	ppm	0.48	me/l
Bicarbonate (HCO3)	233	ppm	4.72	me/l
Carbonate (CO3)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		
Manganese (Mn)		ppm		
Boron (B)		ppm		
Hardness (EDTA as CaCO3)		ppm		g.p.g.***
Total solids			9.38	me/l
Total Cations			9.11	me/l
Total Anions				
Alkalinity (Methyl Orange)	236	ppm(as CaCO3)		
Alkalinity (Phenolphthalein)	0	ppm(as CaCO3)		
Electrical Conductivity	950	microhos per cm at 25 C		
Sodium Adsorption Ratio	0.38	Adjusted SAR	0.92	
Sodium	8.34	% of Cations		
Residual sodium carbonate	0.00	me/l		
pH	4.00			

Others:
*ppm=parts per million
**me/l=millequivalents per liter

***g.p.g.=grains per gallon

COMMENTS

By: Shirley Tittan

Service Performed:

Amount Due:

Irrigation Analysis

\$24.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 81-1036

Amount Enclosed \$
Signal

South Dakota

GREAT FACES. GREAT PLACES

August 27, 1992

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

2479-3
4342-3
5374-3

Rod Kemink
PO Box 1593
Watertown, SD 57201-1593

Dear Mr. Kemink:

Enclosed, as we discussed, are partially completed "Notice of Transfer" forms for use in filing an ownership change on Water Right Nos. 2479-3 and 4342-3 and Water Permit No. 5374-3.

The transfer forms should be checked over for accuracy and signed by the new owner in the presence of a notary public. Upon completion, return the forms to our office with a required filing fee of \$2.50 each (total of \$7.50).

South Dakota Water Law 46-5-30.3 requires Notice of any sale, grant, lease, conveyance or other transfer of a water permit or water right to appropriate water to be filed with this office within ninety days.

If you have any questions, please contact me.

Sincerely,

Genny McMath

Genny McMath
Natural Resources Analyst
(605) 773-3352

enclosures

NOTICE OF TRANSFER OF OWNERSHIP

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

No. 2479-3

Date: September 1, 1992

I\We request that Water Right No. 2479-3

formerly owned by: Harold Lantgen

be transferred to: (name & address) Pine Knoll, Inc. 4504 W. 12th Street,
Sioux Falls, SD 57107 (Telephone No.) 605-338-1249

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

S 1/2 Section 2, T113N, R51W

I\We understand that the validity of Water Right No. 2479-3 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 at the Division of Water Rights, as evidence of the change of ownership.

A fee of Two Dollars and Fifty Cents (\$2.50) is attached to cover the filing fees as required under SDCL 46-2-13.

STATE OF SOUTH DAKOTA)
County of CODINGTON)

I\We Pine Knoll, Inc. 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.

Pine Knoll Inc. By Don MEE
(Signed) U. P. 12

Subscribed and sworn to before me this 1st day of September

JoAnn Comes
JoAnn Comes (Notary Public)
My Commission Expires: 12-16-95

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.

RECEIPT

Division of Water Rights

South Dakota Department of Environment and Natural Resources

413406

Pierre, _____ September 3, 19 92

RECEIVED OF Pine Knoll Mobile Park, 4504 W 12th St, Sioux Falls, SD 57107

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 <u>Water Right No. 2479-3</u>	2	50
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	2 50

By

Chief Engineer

John Hatch



DEPARTMENT OF WATER & NATURAL RESOURCES

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

September 10, 1992

No. 2479-3
4342-3
5374-3

Don Weeg
Pine Knoll, Inc.
4504 W. 12th Street
Sioux Falls, SD 57107

Dear Mr. Weeg:

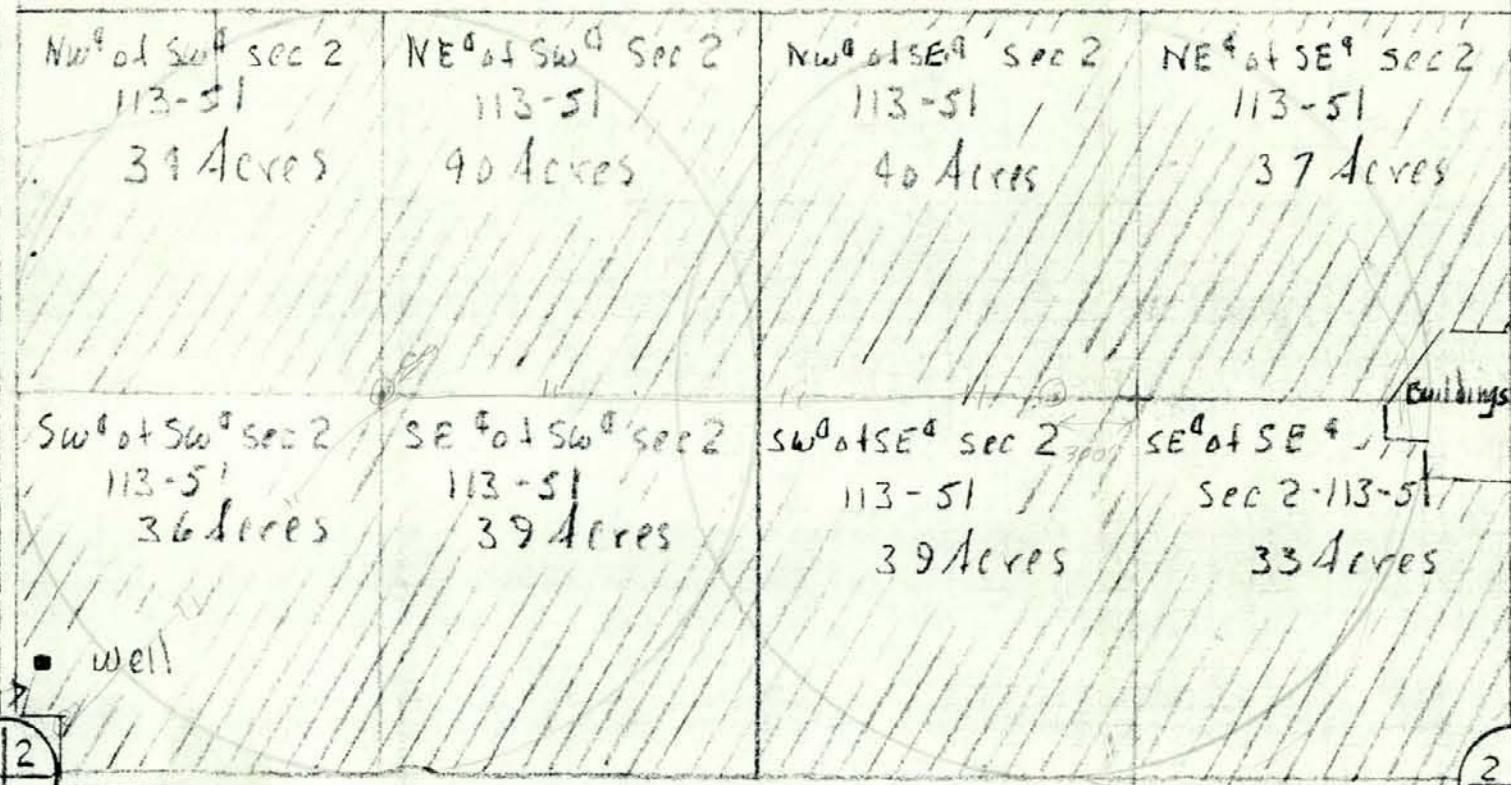
Enclosed are receipts in the amount of \$2.50 each which you paid for the transfer of Water Right Nos. 2479-3 and 4342-3, and Water Permit No. 5374-3.

Our records now show you as the owner of Water Right Nos. 2479-3 and 4342-3, and Water Permit No. 5374-3.

Sincerely,

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

enclosure



HAROLD LANTGEN

IRRIGATION PROJECT #2

Estrelline South Dakota
Hamlin County

Acres Irrigated - 298

Water Claimed 4.3 cfs

Surveyor's Certificate

I, John L. Wiersma, do hereby certify that this map identifies a reasonably accurate record of the land of:

Harold Lantgen

Estrelline 57234 South Dakota

11-18-78 Hamlin Co

Drawn by [signature] P.E. #1916

John L. Wiersma Brookings

MAP NO. 1854-3 APP. NO. 2479-3

NOT TO SCALE

2.5 6.0 81.4
3.5

130.2 379-200-L

OUT

14.7

2

6.9 265.9

200
PVC

150
PVC

113-51

8" PVC

247A-3

42.5

35.5

48.9

379-200-L



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 21, 2011

NOTICE

TO: PINE KNOLL INC, DON BOYD, 4504 W 12TH ST, SIOUX FALLS, SD 57107

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

SUBJECT: Reporting Requirement for 2010 Irrigation Questionnaires

Our records indicate that the 2010 Irrigation Questionnaires have not been submitted. The request for the Questionnaires was dated October 15, 2010. The Water Management Board has directed that owners of water permits who have not submitted the 2010 Irrigation Questionnaires be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine if Permit No(s) 2230-3, 2412-3, 2479-3, 3541-3 & 4342-3 should be amended to require the Questionnaire to be submitted each year and to determine action to be taken for violation of Water Permit No(s) 5574-3 & 6853-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **10:00 am, March 9, 2011** 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. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 5574-3 & 6853-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Amend Permit No(s) 2230-3, 2412-3, 2479-3, 3541-3 & 4342-3 to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action or 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 4, 2011**, you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 2, 2011

Don Boyd
Pine Knoll Inc
4504 W 12th St
Sioux Falls SD 57107

RE: Water Right or Permit Nos. 2230-3, 2412-3, 2479-3, 3541-3, 4342-3, 5574-3 & 6853-3

Dear Mr. Boyd:

I am writing to acknowledge receipt of your 2010 irrigation questionnaires.

You may disregard the January 21, 2011, "Notice" concerning reporting requirements for Water Right or Permit Nos. 2230-3, 2412-3, 2479-3, 3541-3, 4342-3, 5574-3 & 6853-3. 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