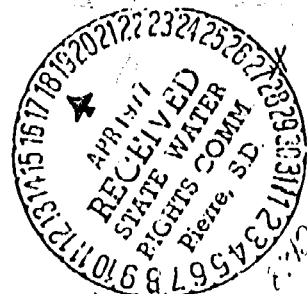


Water Right Number 3902-5

1. Considered 5.25, 19 77
2. Name of Applicant ROGER R. INNEN
3. Post Office Address HURLEY
4. Amount of water claimed 2.42
5. Source of water supply 800' WELL
6. Water to be used for IRRIGATION
- Acres to be irrigated 170
7. Water to be diverted and used in ~~TURNER~~ TURNER County
about 1N, 3E Miles 1ST of HURLEY
8. Proof of Publication Received 1ST
Not received _____
9. Application Approved _____
Subject to _____
Not approved _____
Action deferred _____
- REPLACEMENT**

10. Remarks:

Map No. 3160-3 Water Division No. 3 VERMILLION RIVER District
(Blanks to be filled by the Engineer for the W. R. C.)



APPLICATION FOR PERMIT

Replacement Well. 455-3

To Appropriate Water within the State of South Dakota

(NOTE—Draw a line through blank if not applicable)

1. Name of Applicant Roger R. Ihnen
Postoffice address Hurley, State S. Dak. 57036
If a corporation show date and place of incorporation n/a Contract
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
3. Name of diversion work Roger R. Ihnen Irrigation System # 455-3
4. Amount of water claimed (cubic feet per second) 2.42
5. Source of water supply 2 Wells - 1 old shallow well and 1 new deeper well. Permit # 455-3 covers old well. Approx. 80 rods S. and 80 rods W. of the NE corner Sec. 19-98-52.
6. Location of point of diversion W. of the NE corner Sec. 19-98-52.

- County Turner
7. Annual period or periods during which water is to be used April - November
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 170

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.
NE 1/4 NE 1/4 19-98-52	45		
SE 1/4 NE 1/4 19-98-52	40		
SW 1/4 NE 1/4 19-98-52	40		
NW 1/4 NE 1/4 19-98-52	45		

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 1 years. Additional time required to complete application of water to the proposed beneficial use 0 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication New Era, Parker, SD 57053
12. Principal Features of the Proposed Water Supply System.

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

Diesel Pump

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

Buried Pipeline to C.P.

C. Works proposed to apply water to beneficial use.

C.P. Sprinkler System.Estimated Total Cost \$ 50,000.00

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

County of Turner

I, Roger R. Ihnen 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 Roger R. IhnenSubscribed and sworn to before me this 15 day of April, 19 77

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3902-3
ROGER R. IMMEN HURLEY
 (Applicant) (Post Office Address)

SOUTH DAKOTA 57036 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 adequate domestic wells or in irrigation wells having prior water rights.

PORTIONS OF THE LAND COVERED UNDER THIS PERMIT ARE ALSO COVERED UNDER PERMIT NO 455-3. COMBINATIONS OF DIVERSIONS UNDER THE TWO PERMITS SHALL NOT EXCEED THE STATUTORY LIMIT OF 100 CFS FOR EACH 70 ACRES IRRIGATED.

Date of first receipt of application APRIL 18, 1977
 Date of return to applicant for correction, amendments or changes required — 19 —
 Date of receipt of corrected application — 19 —
 Approved MAY 25, 1977 Recorded in Book 19 Page 207

WATER RIGHT PERMIT NO. 3902-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3902-3 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 NOVEMBER 7, 1977
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 25, 1977
3. The whole of said work is to be completed on or before MAY 25, 1978
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is MAY 25, 1978
5. The water appropriated shall be used for the purpose of IRRIGATION

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

7. The amount of the appropriation herein granted shall not exceed 2.42 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 MAY 25, 1978; said water to be used during the following described annual period: APRIL - NOVEMBER

Witness my hand this 20TH day of JANUARY, 19 78

WATER RIGHTS COMMISSION

By:

John H. H. H.
 Chief Engineer, Executive Officer

Certificate of Construction Issued SEPTEMBER 22, 1980

Water License Issued SEPTEMBER 22, 1980

NOTICE OF WELL CONSTRUCTION

(1) WELL CONSTRUCTION

Location of well: 1/4 NE 1/4 Section 19 Township 98 Range 52

Well owner _____
(Name) (Address)

Date well drilling completed _____ Purpose of well _____
(domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer _____ ft.
<u>0-5</u>	<u>Top Soil</u>	Depth to static water level _____ ft.
<u>5-20</u>	<u>SAND "Red"</u>	Name of producing aquifer (if known) _____
<u>20-35</u>	<u>SAND + GRAVEL</u>	Total depth of drill hole _____ ft.
<u>35-40</u>	<u>CLAY + SAND</u>	Depth to bottom of casing _____ ft.
<u>40-45</u>	<u>CLAY, SAND + GRAVEL</u>	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used.
<u>45-60</u>	<u>SAND + CLAY</u>	
<u>60-105</u>	<u>CLAY + fine SAND</u>	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations.
<u>105-120</u>	<u>fine SAND</u>	
<u>120-135</u>	<u>SAND + CLAY</u>	
<u>135-200</u>	<u>SAND + GRAVEL</u>	

Attach sheet if more space is needed

If a flowing well, flow of completed well _____ G.P.M.

Name of Drilling Contractor

(2) PUMP INSTALLATION

Company name and size of pump _____ HP _____

Type of pump _____ Capacity of installed pump _____ G.P.M.

Depth of pump placement _____ ft., Date of pump installation _____

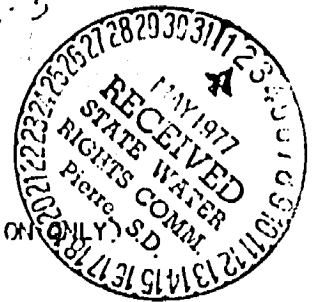
(3) WATER SURFACE MEASURING TUBE

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 _____.

Name of Pump Installation Contractor

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



NAME Roger R. Ihnen
ADDRESS Hurley, S. Dak. 57036
COUNTY Turner

LEGAL DESCRIPTION

1. WELL LOCATION Approx. 80 rods S. and 80 rods W. of the NE corner Sec. 19-98-52
2. LOCATION OF AREA TO BE IRRIGATED The NE $\frac{1}{4}$ 19-98-52

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT x GUN _____
4. CROPS TO BE IRRIGATED Corn, Soybeans, Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 77612
6. SALINITY (EC X 10^6) 818 (med - hi)
7. SODIUM (SAR) 0.23
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 Turner Co. 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.

x Roger R. Ihnen
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
15 DAY OF April 19 77.

M. J. SOMMERVOLD

Notary Public, STATE OF SOUTH DAKOTA

My Commission Expires February 11, 1982

(TITLE OR SEAL)

M. J. Sommer vold
APPROVED/RECORDED

(SOILS INFORMATION ON REVERSE SIDE)

Alvin J. Hoff

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

Submitted by: Roger Ihnen
 Address: Hurley, SD 57036

Date Rec'd April 19, 1977
 Sample No. 77-612
 Identification Well-200
NE 1/4, Sec. 19, T. 98N., R. 52E.

WATER ANALYSIS

Calcium (Ca)	152	ppm*	7.60	me/l**
Magnesium (Mg)	29	ppm	2.36	me/l
Sodium (Na)	12	ppm	0.52	me/l
Potassium (K)	3	ppm	0.08	me/l
Sulfate (SO ₄)	176	ppm	3.66	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	3	ppm	0.09	me/l
Bicarbonate (HCO ₃)	356	ppm	5.84	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)	292	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	818	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	0.23			
Sodium	4.92	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.45			

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 10.56 me/l
 Total anions 9.59 me/l

By: Shirley Eitten

Service Performed

Amount Due

Irrigation analysis

\$15.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 77-612

Amount Enclosed \$

Signed

April 26, 1977

Mr. Roger R. Ihnen
Hurley, SD 57036

Dear Mr. Ihnen:

Your water sample (Lab. No. 77-612) 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-1, 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:ckh

Enclosures

cc: State Conservation Commission
D. Pahl, Extension Service

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

D. Well Information or Estimates

(1) Drill Hole, Diameter 18", Depth 200'
 (2) Casing, Type Steel Diameter 1 1/2" Thickness 1/4"
 (wood, concrete, steel, etc)
 (3) Perforated Screen.
 Type Stainless Steel, Diameter 1 1/2", Length 20'
 (4) Gravel Pack, Thickness 2", Length of gravel pack 180'

E. Dugout Information or Estimates.

(1) Surface dimensions -, Depth -

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

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

Character of Water bearing materials Copy of log attached.

Depth to top of water bearing material 135'

Depth to bottom of water bearing material 200'

Thickness of water bearing material 65'

Depth to water (ground surface to water level) 45'

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

On same owner's property none rds. On property owned by others 200 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.

n/a

[Signature]
 Signature of Applicant

WATER LICENSE NO. 3902-3

(1) WHEREAS, On the 30th day of April A. D. 19 77

Roger E. Ihnen

made Water Right Application No. 3902-3 for a permit to use 2.42 cubic feet per second of the waters of groundwater (two wells)

County of Turner, State of South Dakota, for irrigation

purposes; and

(2) WHEREAS, On the 25th day of May A. D. 19 77

Permit No. 3902-2, with a date of priority of November 7, 1977 and April 13, 1957 *

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 25th day of May A. D. 19 78 and for the application to beneficial use of said water on or before the 25th day of May A. D. 19 78

* WHEREAS, on September 22, 1980 the applicable portions of Water License No. 455-3 have been incorporated into this Water License No. 3902-3,

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 2.0 cubic feet per second of water for beneficial use and,

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

~~to irrigate a 156 acre circle in the NE 1/4, Section 10, T20N, R52W~~

(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 Roger R. Ihnen

of Hurley, South Dakota
the holder and owner of said permit No. 3902-3 a water right, dating from November 7, 1977 and
April 13, 1957 to use of 2.0 cubic feet per second of the waters
of groundwater (two wells)

in the County of Turner and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at a point south 45° W, 1920 feet, both from the
NE corner, Section 19, T98N, R52W

and conducted to and upon a 156 acre circle in the NE¼, Section 19, T98N, R52W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No. 3902-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 22nd day of September A. D.
Nineteen Hundred and Eighty

WATER MANAGEMENT BOARD

By:

John Hatch
Chief Engineer, Executive Officer
JOHN HATCH

Permit No. 3902-3

Water Diversion No. 3 Vermillion River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Roger R. Ihnen

_____ the holder _____ of
Permit No. 3902-3, issued upon Application No. 3902-2, bearing date of priority of November 7, 1977 & April 13, 1957 authorizing the diversion of 2.42 cu. ft. per second of the waters of groundwater (two wells) County of Turner, State of South Dakota at a point south 45°W; 115 rods and south 45°W, 1920 feet, both from the NE corner, Section 19, T98N, R52W

_____ for irrigation

_____ has complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 2.0 cu. ft. per second of water.

Date September 22, 1980


JOHN HATCH, Chief Engineer
Water Rights Division

- * The applicable portions of Water License No. 455-J have been incorporated into this Water License No. 3902-3.

LANDS UNDER THIS
APPLICATION HAVE BEEN
IRRIGATED UNDER
PERMIT NO 455-3 SINCE
1957

Publish first publication, on or before May 12
~~XXXXXX~~, 1977NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

April 26, 1977Roger R. Ihnen

Notice is hereby given that

whose post office address is Hurley, 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 use2.42cubic feet of water per second of time from ~~the~~ ground water through theRoger R. Ihnen #455-3, the point of diversion of which ^{is} ~~is~~ to be located in the ARECenter of NE $\frac{1}{4}$ of Section 19, Twp. 98N, Range 52W. Said water to be used for the purpose of providing irrigation on ^{portions of} the following described land:NE $\frac{1}{4}$, Section 19, T98N, R52W3902-3This application No. 3902-3 will be considered by the Water Rights Commission at their office at 25th May 77 10:00 A. Pierre upon the 25th day of May, 1977, at 10:00 A. M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By.

JAMES WINTERTON

Water Rights Specialist

BFJ/bw
cc:

Roger R. Ihnen, Hurley, S.D. 57036

No. 3903-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County TURNER) ss.

I, EARL J. BORMANN hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the NEW ERA

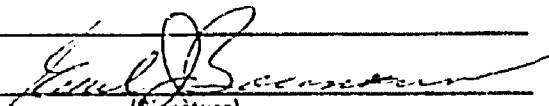
A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

NEW ERA of Parker, S. Dakota

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

THURSDAY, MAY 5th, 1977

THURSDAY, May 12th, 1977


(Signature)

owner
(Title)

4-27-1977
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER

Pierre, South Dakota 57501
April 26, 1977

Notice is hereby given that
Dennis L. Ihnen, whose post office
address is Hurley, South Dakota,
has made an application in ac-
cordance with the provisions of
the water laws of South Dakota
for a permit to appropriate for
beneficial use 2.28 cubic feet of
water per second of time from
ground water through the Dennis
L. Ihnen No. 1, the points of
diversion of which are to be lo-
cated in the Center of SE $\frac{1}{4}$ of
Section 1, Twp. 98N, Range
53W. Said water to be used for
the purpose of providing irrigation
on portions of the following
described land:

SE $\frac{1}{4}$, Section 1, T98N,
R53W.

This application No. 3903-3
will be considered by the Water
Rights Commission at their office
at Pierre upon the 25th day of
May, 1977, at 10:00 A.M. All
interested persons may appear
and be heard.

WATER RIGHTS COMMISSION
By: JAMES WINTERTON
Water Rights Specialist

BFJ/bw

cc: Dennis L. Ihnen, Hurley, S. D.
57036.

(Filed—May 5 & 12, 1977)



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7702

PIERRE, September 22, 1980

RECEIVED OF Roger Ihnen, Hurley, SD 57036

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. 3902-3	50.	00
Fee for inspecting Beneficial Use, and issuing Water License No. 3902-3		
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 (John Hatch)
Chief Engineer, Executive Officer
JOHN HATCH / (JH)

Permit No. 3902-3Water Division 3 VERMILLION RIVER Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

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

I have this day made a thorough examination of the water use system constructed by ROGER R. IHNEIN of HURLEY holder of Permit No. 3902-3, bearing date of priority of NOVEMBER 7, 1977 authorizing the diversion of 2.42 cu. ft. per second of the waters of GROUNDWATER for IRRIGATION purposes, in TURNER County.

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

The Water Use System consists of,

A. Works used to divert the water:

200' DEEP WELL WITH 14" STEEL CASING - 20' SS SCREEN
NATIONAL 8" PUMP # 376-278
POWERED BY #265 CUMMINS DIESEL ENGINE
AMARILLO GEAR HEAD AT 1760 RPM

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

60' OF 8" MAINLINE TO CENTER OF PLOT

C. Works used to apply water to beneficial use.

7 TOWER VALLEY CORNER IRRIGATION PLOT SYSTEM

The system is in the following condition: GOODThe point of diversion is located S 45° W, 115 RODS FROM THE NE CORNER, SECTION 19, T98N, R52WThe works are capable of diverting and conveying to the place of use 2.0 (900 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:

FOR IRRIGATING A 156 ACRE "CIRCLE" IN THE NE⁴, SECTION 19, T98N, R52W

comprising a total of 156 acres of land.

Date JUNE 19, 1980
Auston Jones
(Signature)

**Dakota Department of
Water & Natural Resources**

Joe Foss Building Water Rights Division
Pierre, South Dakota 57501

(605) 773-3352

September 23, 1980

Roger R. Ihnen
Hurley,
South Dakota 57036

Dear Mr. Ihnen:

Enclosed herewith are, Water License No. 3902-3 and Certificate of Construction.

Water License No. 3902-3 is the final water right document completing your process of obtaining a water right.

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

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Division

JH: kw

enclosures

NOTE: The applicable portions of Water License No. 455-3 have been incorporated into this Water License No. 3902-3

WNR-317-7/79
Transmittal of Water License

1131-3
43902-3

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

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3161

February 17, 1989

Roger R. Ihnen
Rt. 1, Box 19
Hurley, SD 57036

Dear Mr. Ihnen:

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 standards, performance standards and installation requirements for irrigation systems that apply chemicals (fertilizers, insecticides, or herbicides) with irrigation water.

You have indicated on your 1983 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,

John Hatch
for JOHN HATCH, Chief Engineer
Water Rights Division

ROGER R. IHLEN IRRIGATION SYSTEM # 455-3
Roger R. Ihlen, Owner
Hurley, S. D. 57053

98-52

OLD WATER DRIVE
SYSTEM HAS BEEN
REPLACED WITH A
CORNER SYSTEM
(OVERSIZE 1/4)

R. 52 W.

18
17
19
20

4.5

75.0

288-3

4.3

7.5

129.6

6.1

455-3
3902-3

115 RODS
45° W.

Replacement Well
(Deeper)

T. 98 N.

72.9
67.2

2.2

14.0

19

5.5

130.4

1.5

6.0

457-3

2.4

.5

Area To Be Irrigated:

The NE 1/4 19-98-52 - 170 ac. (more or Less)

456-3

7.0

98-52

5.9

NA 19-98-52-3
APC. N-3902-3

NOT TO SCALE

