

Added  
2-22-78  
C

2-11-81

60' deep 16" 20' screen  
with 400' N B & Power Point  
Western Land Peller & Pump  
1-1218 H

Powered by Fisher Diesel Motor  
N2 202 HESLA-28  
102HP

10" Power P/L to E P/L

Power to 100000

2 times  
Oleum CP Model 103 1/2" Green Line 1475' long  
Sump # 1850 107' Dulem # 100000

Fidelity Electric Power Co. (P.L.)

Model 1159-41-131

Order to 180 V.L. @ 15 Amps 2 phases

478-2505

6 N 7th St.

1-876 ESTHERVILLE, IOWA 51334

804 CENTRAL AVE

3374-3 HAN L. DEAN, JR. - IOWA

Water Right Number 3374-3

1. Considered 1-26, 1977
2. Name of Applicant ALAN BLUM & WILLIAM SANDERSON
3. Post Office Address ESTHERVILLE, IOWA
4. Amount of water claimed 5.0
5. Source of water supply 2-60' WELLS
6. Water to be used for IRRIGATION
- Acres to be irrigated 400
7. Water to be diverted and used in HAMLIN County  
about IN, 2W Miles 1 of ESTELLINE
8. Proof of Publication Received 1-20-77  
Not received \_\_\_\_\_  
Approved \_\_\_\_\_  
Subject to \_\_\_\_\_  
Not approved \_\_\_\_\_  
Action deferred \_\_\_\_\_
9. Application

10. Remarks:

No. 3374-3Map No. 2158-3 Water Division No. 3 BIG SIOUX RIVER District \_\_\_\_\_  
(Blanks 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)

1. Name of Applicant Alan L. Blum, William J. Sanderson  
 Postoffice address 804 Central Avenue, Estherville, State Iowa 51334  
 Incorporation show date and name of incorporation \_\_\_\_\_
2. Method of accomplishing work (contract, employment of others, or by direct labor) employment of others and direct labor
3. Name of diversion work S.O.
4. Amount of water claimed (cubic feet per second) Test holes being drilled by Ed Lacey - Trent, South Dakota
5. Source of water supply Ground well
6. Location of point of diversion #1 NE 1/4 Section 15, Township 115 North Range 51 West, Hamlin County, SD  
#2 SW 1/4 Section 14, Township 113 North, Range 51 West, Hamlin County, South Dakota  
 \_\_\_\_\_ County \_\_\_\_\_
7. Annual period or periods during which water is to be used May - August
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 400

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

| Land Description               | No. Acres Irr. | Land Description | No. Acres Irr. |
|--------------------------------|----------------|------------------|----------------|
| <u>E 1/2 Section 15, R. 51</u> | <u>200</u>     |                  |                |
| <u>W 1/2 Section 14, R. 51</u> | <u>200</u>     |                  |                |
|                                |                |                  |                |
|                                |                |                  |                |

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 2 1/2 years. Additional time required to complete application of water to the proposed beneficial use 5 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Brookings Daily
12. Principal Features of the Proposed Water Supply System

- A. Works proposed to divert water from its natural source. Turbine pump - electric or diesel drive
- B. Works proposed to transport water to place of use. Turbine pump -
- C. Works proposed to apply water to beneficial use. Center pivot - approximately 1800 feet long

Estimated Total Cost \$ 40 - 50 M

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 Emmons )

I, William J. Sanderson, 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 William J. Sanderson

Subscribed and sworn to before me this 12 day of December, 19 2011  
William J. Sanderson  
 Notary Public (or other qualified officer)

# WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 3374-3  
ALAN L. BLUM & WILLIAM J. SANDERSON 804 CENTRAL AVE, ESTHERVILLE  
 (Applicant) (Post Office Address)  
IOWA 51334 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.

Date of first receipt of application DECEMBER 8 19 76  
 Date of return to applicant for correction, amendment or changes required DECEMBER 10 19 76  
 Date of receipt of corrected application DECEMBER 27 19 76  
 Approved JANUARY 26 19 77, Recorded in Book 17 Page 136

WATER RIGHT PERMIT NO. 3374.3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 3374.3 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 8 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 26 19 77
3. The whole of said work is to be completed on or before JANUARY 26 19 78
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 26 19 81
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 5.0 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 26 19 81; said water to be used during the following described annual period: MAY THRU AUGUST

Witness my hand this 11<sup>TH</sup> day of APRIL 19 77

WATER RIGHTS COMMISSION

By:

John H. Hales  
 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 36", Depth 60'

(2) Casing, Type Steel (wood, concrete, steel, etc.) Diameter 18' Thickness 3/4"

(3) Perforated Screen.

Type Steel - Johnson, Diameter 16", Length 20'

(4) Gravel Pack, Thickness 8", Length of gravel pack                     

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 5' top soil

5' - 25' sand

25' - 60' coarse sand

Depth to top of water bearing material 5'

Depth to bottom of water bearing material 60'

Thickness of water bearing material 55'

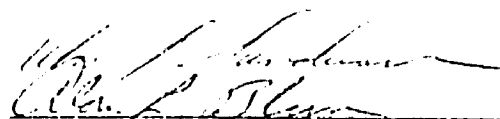
Depth to water (ground surface to water level) 5'

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

On same owner's property 160 rds. On property owned by others 300 rds.

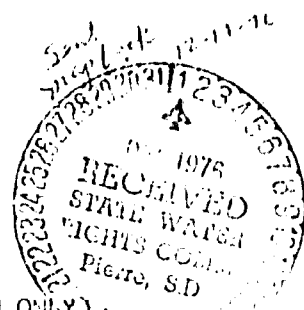
G. Water Storage Dams.

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

CONSERVATION  
COMMISSION  
FORM WI #1

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 ONLY)



NAME Bill Sanderson + Alan Blum - Contract purchaser from Ted Duggen  
ADDRESS Estelline, South Dakota  
COUNTY Hamlin

LEGAL DESCRIPTION

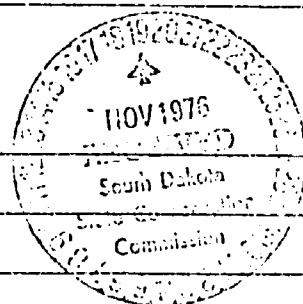
1. WELL LOCATION #1 - NE 1/4 Sec 15 T113N R51W #2 SW 1/4 Sec 14 T113N R51W  
2. LOCATION OF AREA TO BE IRRIGATED Same

TYPE OF IRRIGATION

3. GRAVITY \_\_\_\_\_ TOWLINE \_\_\_\_\_ CENTER PIVOT ☒ GUN \_\_\_\_\_  
4. CROPS TO BE IRRIGATED Corn

WATER QUALITY

5. SAMPLE NUMBER 25-689  
6. SALINITY (EC X 10<sup>6</sup>) See analysis  
7. SODIUM (SAR) 30 ppm  
8. RESIDUAL SODIUM CARBONATE (mmol/l.) 0.00



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 \_\_\_\_\_ 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  
15 DAY OF December 19 76.

Charles J. Thompson  
(TITLE OR SEAL)

Alan Blum  
APPLICANT'S SIGNATURE

APPROVED/NOT APPROVED: I feel this project can be carried out successfully in all circumstances. Individual management will, to a large degree, determine the relative success of this venture.

Albert J. Hoff  
APPROVED/DISAPPROVED

Form 6 - Notice of Intent to Appropriate Water

No. 3374-3

Publish first publication, on or before January 13, 1977

NOTICE  
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

January 13, 1977

Notice is hereby given that Alan L. Blum & William J. Sanderson  
whose post office address is Esterville, Iowa ~~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  
5.0 cubic feet of water per second of time from the ground water through the  
Blum Sanderson #1, the point of diversion of which is to be located in the  
SE 1/4 NE 1/4, Section 15 and near the center of SW 1/4

of Section 14, Twp. 113N, Range 51W. Said water to be used for the purpose  
of providing irrigation on the following described land:

1/4, Section 15, 1/4, Section 14, T113N, R51W

This application No. 3374-3 will be considered by the Water Rights Commission at their office at  
Pierre upon the 26th day of January, 1976, at 10:00 A.M. All interested  
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

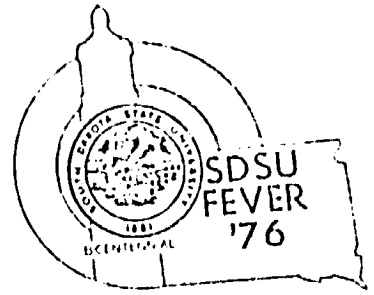
BURTON F. JONES  
Water Rights Specialist

BFJ/bw

cc:

Alan L. Blum & William J. Sanderson, 804 Central Ave,  
Esterville, Iowa 51334

SOUTH DAKOTA STATE UNIVERSITY  
BROOKINGS, SOUTH DAKOTA 57008



WATER RESOURCES RESEARCH INSTITUTE

605-333-1010  
- 4211

August 7, 1975

Mr. Joseph Dappen  
Estelline, SD 57234

Dear Mr. Dappen:

Enclosed you will find the original copy of the report of analysis for the water sample you submitted here about a week ago. This is your copy to keep. Also, you will find a copy of extension circular 654 with the quality of this water designated on the outside back cover by an encircled red cross. This indicates that the water is medium to high in total salinity and very low in sodium. Thus the water is of good quality for irrigation and should give no chemically induced difficulties in the soils which you intend to irrigate.

We are sending a copy of this letter, a copy of the water analysis and your WI 1 form to the State Conservation Commission for their action. I wish you success in your irrigation venture.

Sincerely yours,

*L. O. Fine*  
L. O. Fine  
Water Quality Lab

LOF:ckb

Enclosures

cc: D. Pahl

State Conservation Commission  
Harold Campbell, County Extension Agent

Called 8-20-76

*Handwritten notes:*  
Habitat  
Hamilton County 783-3050  
H-505 783-3496  
SCS 783-3011  
Fed Land Bank

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

Submitted by: Ted Dapren  
 Address: Estelline, SD 57234

Date Rec'd August 1, 1975  
 Sample No. 75-689  
 Identification Well-20'  
N. 1/4, Sec. 15, T. 113N, R. 51W

**WATER ANALYSIS**

|                                       |       |                             |      |           |
|---------------------------------------|-------|-----------------------------|------|-----------|
| Calcium (Ca)                          | 98    | ppm*                        | 4.90 | me/l**    |
| Magnesium (Mg)                        | 43    | ppm                         | 3.53 | me/l      |
| Sodium (Na)                           | 30    | ppm                         | 1.30 | me/l      |
| Potassium (K)                         | 5     | ppm                         | 0.13 | me/l      |
| Sulfate (SO <sub>4</sub> )            | 186   | ppm                         | 3.88 | me/l      |
| Nitrate (as N)                        |       | ppm                         |      | me/l      |
| Chloride (Cl)                         | 6     | ppm                         | 0.16 | me/l      |
| Bicarbonate (HCO <sub>3</sub> )       | 298   | ppm                         | 4.88 | me/l      |
| Carbonate (CO <sub>3</sub> )          |       | ppm                         |      | me/l      |
| Iron (Fe)                             |       | ppm                         |      | me/l      |
| Fluoride (F)                          |       | ppm                         |      | me/l      |
| Hardness (EDTA as CaCO <sub>3</sub> ) |       | ppm                         |      | g.p.g.*** |
| Alkalinity (Methyl Orange)            | 244   | ppm (as CaCO <sub>3</sub> ) |      |           |
| Alkalinity (Phenolphthalein)          | 0     | ppm (as CaCO <sub>3</sub> ) |      |           |
| Electrical Conductivity               | 773   | micromhos per cm at 25° C.  |      |           |
| Sodium Adsorption Ratio               | 0.63  |                             |      |           |
| Sodium                                | 13.18 | % of cations                |      |           |
| Residual sodium carbonate             | 0.60  | me/l                        |      |           |
| pH                                    | 7.67  |                             |      |           |
| Others:                               |       |                             |      |           |

\*ppm=parts per million

\*\*me/l=milliequivalents per liter

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

COMMENTS: Total cations 9.86 me/l  
 Total anions 8.92 me/l



By: Shirley Mitten

| Service Performed   | Amount Due  |
|---------------------|-------------|
| Irrigation analysis | \$6.00 PAID |

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 75-689

Amount Enclosed \$

Signed

Form 8 - Proof of Publication - Notice of  
Intent to Appropriate Water

No. 5774-7

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )  
County Brookings ) ss.

I, James M. McLellan Jr. hereby  
certify that the annexed printed copy of Notice of Intent to Appropriate  
Water was taken from the Brookings Daily Register

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 Brookings of Brookings

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

Jan. 12, 1977  
Jan. 19, 1977

*James M. McLellan Jr.*  
(Signature)  
Editor - General Manager  
(Title)

1-19-77  
(Date Signed)

Legal No. 633 - Jan. 11 & 19  
**NOTICE INTENT TO  
APPROPRIATE WATER**  
Pierro, South Dakota 57501  
December 30, 1976  
Notice is hereby given that Alan L.  
Blum & William J. Sanderson whose  
post office address is Estherville, Iowa,  
has made an application in accordance  
with the provisions of the water laws of  
South Dakota for a permit to  
appropriate for beneficial use 5.0 cubic  
feet of water per second of time from  
ground water through the Blum-  
Sanderson No. 1, the point of diversion of  
which is to be located in the SE $\frac{1}{4}$  NE $\frac{1}{4}$ ,  
Section 15 and near the center of SW $\frac{1}{4}$  of  
Section 14, Twp. 113N, Range 51W. Said  
water to be used for the purpose of  
providing irrigation on portions of the  
following described land:  
E $\frac{1}{2}$ , Section 15, W $\frac{1}{2}$ , Section 14,  
T113N, R51W  
This application No. 3374-3 will be  
considered by the Water Rights  
Commission at their office at Pierre  
upon the 26th day of January, 1977, at  
10:00 A.M. All interested persons may  
appear and be heard.  
**WATER RIGHTS COMMISSION**  
BY: BURTON F. JONES  
Water Rights Specialist



# RECEIPT

WATER RIGHTS COMMISSION  
State of South Dakota

No 4 6492

PIERRE, July 10, 1910

RECEIVED OF B H S Farms 804 Central Avenue, Estherville, IA 51334  
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. _____                                        |   |    |
| Fee for inspecting Beneficial Use, and issuing Water License No. _____                                              |   |    |
| Fee for issuing Location Certificate-Dry Draw, No. _____                                                            |   |    |
| Fee for filing Extension of Time for Water Right No. 3374                                                           | 2 | 50 |
| Fee for certified copy of _____                                                                                     |   |    |
| Fee for Print copy of map _____                                                                                     |   |    |
| Fee for Certifying _____                                                                                            |   |    |
| Fee for _____<br>(any other work as provided by law)                                                                |   |    |
| TOTAL                                                                                                               | 2 | 50 |

WATER RIGHTS COMMISSION

By *(Signature)*  
Chief Engineer, Executive Officer  
JOHN HATCH pjh

## APPLICATION FOR EXTENSION OF TIME

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

Date July 10, 1978

Dear Sirs:

In Water Right Permit No. 3374-3 it is specified that the water diversion system is to be completed by January 26, 1978 and that the water is to be put to the limit of beneficial use by January 26, 1981.

I hereby request that the date for completing the diversion system be extended to January 26, 1982 and that the date for putting the water to the limit of beneficial use be extended to January 26, 1986.

The extension of time for the completion of these works is requested for the following reasons: Applicants capital situation has not allowed them to proceed as planned but they expect to begin development in the very near future.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Enclosed herewith is a fee of Two Dollars and Fifty Cents (\$2.50) to pay the cost of filing this request for extension of time.

William J. Anderson  
(Signed)

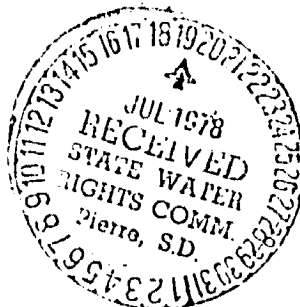
3374-3

Permit Number

APPROVED:

WATER RIGHTS COMMISSION

BY:





# Department of Natural Resource Development

## WATER RIGHTS COMMISSION

Joe Foss Building, Pierre, South Dakota 57501  
Phone 605/224-3151

Wm. J. Sanderson  
6 North 7th Street  
Estherville, Iowa 51334

July 28, 1978

Dear Mr. Sanderson:

This is to inform you that your request for extension of time dated July 10, 1978 for Water Right Permit No. 3374-3 has been approved by the Water Rights Commission as follows:

The date for completing construction of the water system has been extended to January 26, 1982, and the date for putting the water to the limit of beneficial use has been extended to January 26, 1986.

Enclosed herewith is Receipt No. 4-6492 for \$2.50 fee for filing of this Approval of Extension of Time.

Very truly yours,

WATER RIGHTS COMMISSION

BY:

BETTY WESTLUND  
Water Rights Specialist I

BW/bt

Permit No. 3374-3Water Division 3 BIG SIOUX RIVER Water District

**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 ALAN BLUM & WILLIAM SANDERSON of FESTHERVILLE, IA holder of Permit No. 3374-3, bearing date of priority of DECEMBER 8, 1976 authorizing the diversion of 5.0 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:

60' DEEP WELL WITH 16" STEEL CASING - 20' SS SCREEN  
WESTERN LAND ROLLER B PUMP - 1-12K BH, POWERED BY  
LISTER DIESEL MOTOR # 2B2 HRS6A-2B

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

400' BURIED 10" LINE FROM WELL TO E PIVOT  
2950' BURIED 10" PVC FROM E TO IN PIVOT

## C. Works used to apply water to beneficial use.

OLSON 9 TOWER MODEL 103 PL CENTER PIVOT-ELECTRIC DRIVE  
1475' LONG WITH NELSON 1100 ENDGON. PUMP EQUIPPED WITH  
FIDELITY DIESEL POWERED ELECTRIC GENERATOR MODEL 1159-41-131  
PRODUCES 480 VOLTS @ 15 AMPS - 3 PHASE

The system is in the following condition: GOOD

The point of diversion is located 1875' N & 200' E OF THE SW CORNER,  
SECTION 14, T113N, R51W

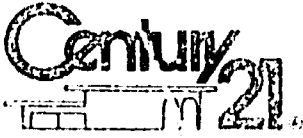
The works are capable of diverting and conveying to the place of use 2.22 (1000 GPM)  
cu. ft. per second of water which is to be used for IRRIGATION

Water has been put to beneficial use to the maximum extent as follows: ALL IN T113N, R51W

| SECTION 14                      |         | SECTION 15                      |          |
|---------------------------------|---------|---------------------------------|----------|
| SW <sup>4</sup> NW <sup>4</sup> | 9 ACRES | SE <sup>4</sup> NW <sup>4</sup> | 6 ACRES  |
| NW <sup>4</sup> SW <sup>4</sup> | 40 "    | SW <sup>4</sup> NE <sup>4</sup> | 7 "      |
| NE <sup>4</sup> SW <sup>4</sup> | 7 "     | NE <sup>4</sup> SW <sup>4</sup> | 14 "     |
| SW <sup>4</sup> SW <sup>4</sup> | 35 "    | SE <sup>4</sup> SW <sup>4</sup> | 34 "     |
| SE <sup>4</sup> SW <sup>4</sup> | 6 "     | NW <sup>4</sup> SE <sup>4</sup> | 38 ACRES |
|                                 |         | NE <sup>4</sup> SE <sup>4</sup> | 37 "     |
|                                 |         | SW <sup>4</sup> SE <sup>4</sup> | 33 "     |
|                                 |         | SE <sup>4</sup> SE <sup>4</sup> | 33 "     |

comprising a total of 299 acres of land.Date 2 AUGUST 11, 1981

Alan Blum  
(Signature)



418 Central Avenue  
Estherville, Iowa 51234  
(712) 362-7272  
REAL ESTATE • INSURANCE



BLUM & LEONARD  
AGENCY, INC.

Nov. 7, 1983

South Dakota Dept. of Water & Natural Resources  
Joe Foss Building  
523 East Capitol  
Pierre, South Dakota 57501

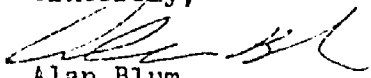
Dear Sirs:

Please be advised that I am an investor only of this property. I have no idea how much irrigation water is used.

Please send your information request to Steve Puttmann,  
R.R.#1, Estelline, South Dakota 57234.

Thank you.

Sincerely,

  
Alan Blum

ALB/jds  
Encl:



Each Office Is Independently Owned And Operated



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

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

March 30, 1984

Steve Puttmann  
RR#1  
Estelline, South Dakota 57234

Dear Mr. Puttmann:

This letter is in regard to water permit NO. 3374-3 in the name of Alan Blume/Bill Sanderson. This is to inform you we have received from the State Conservation Commission, the s/w approval bringing the permit into compliance with State Law. We have not, however, received the water permit application for the lands that were not covered by this permit. This application was sent to you for signature January 26, 1984. The fee required for this application will be \$50.00.

If you have any questions feel free to contact this office.

Sincerely,

Betty Westlund  
Natural Resources Analyst

BW:ms

*Equal Opportunity Employer*

Department of Agriculture  
W111  
3/8

SOIL/WATER COMPATIBILITY PERMIT APPLICATION FORM  
Division of Conservation

Office Use Only

WRH

OWNERS NAME: \_\_\_\_\_ OWNERS ADDRESS: \_\_\_\_\_

COUNTY LAND LOCATED IN: \_\_\_\_\_ PHONE: \_\_\_\_\_

TENANT'S NAME AND ADDRESS: \_\_\_\_\_

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres)

1. WELL LOCATION \_\_\_\_\_

Depth \_\_\_\_\_

2. SURFACE WATER SOURCE AND DIVERSION LOCATION: \_\_\_\_\_

Diversion Location \_\_\_\_\_

| Legal Description | Acres | Legal Description | Acres |
|-------------------|-------|-------------------|-------|
|                   |       |                   | 1.1   |
|                   |       |                   |       |
|                   |       |                   |       |
|                   | 4     |                   |       |

3. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_

IN WHAT NAME: \_\_\_\_\_

4. LOCATION OF AREA TO BE IRRIGATED NOTE: SOILS INFORMATION FOR THIS AREA MUST ACCOMPANY THE APPLICATION. (See instruction sheet)

5. TYPE OF IRRIGATION: GRAVITY: \_\_\_\_\_ TOWLINE: \_\_\_\_\_ CENTER PIVOT: \_\_\_\_\_ GUN: \_\_\_\_\_ OTHER: \_\_\_\_\_ (Specify)

6. CROPS TO BE IRRIGATED: \_\_\_\_\_

WATER QUALITY: (TO BE COMPLETED BY SDSU WATER QUALITY LABORATORY)

7. WATER SAMPLE NUMBER: 75-689 10. ADJUSTED (SAR): \_\_\_\_\_

8. SALINITY (EC X 10<sup>3</sup>): 773 11. PERCENT SODIUM 13.18

9. SODIUM (SAR): 0.63

I hereby certify that I personally obtained or that I personally observed that taking of a sample of the water to be used in irrigating the above-described land. I also hereby certify that the required procedures for the taking of the sample (see instruction sheet) were followed, and that the sample was taken at \_\_\_\_\_ a.m./p.m., on \_\_\_\_\_, 19\_\_\_\_, at the following location: \_\_\_\_\_ by (individual who took sample if other than applicant). I also hereby certify that the water sample taken has NOT been adulterated or tampered with in any manner, and is TRULY REPRESENTATIVE of the water which will be used in irrigating the above-described land.

Signature, of Water Sampler.

I understand that the Division of Conservation or agents thereof may obtain water samples from wells and surface bodies to be used for irrigation purposes to validate water samples taken at the time of application. The Department of Agriculture may also gather technical information necessary to protect the land. (46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS

DAY OF \_\_\_\_\_, 19\_\_\_\_.

(NOTARY PUBLIC)

APPLICANT'S SIGNATURE

Director, Division of Conservation

Date

APPROVED

DISAPPROVED

CONDITIONALLY APPROVED

**IMPORTANT**  
Action by the Department of Agriculture or the State Conservation Commission is not the final action on any application. In all cases a WATER RIGHT must be obtained from the Board of Water Management, Foss Building, Pierre.

Conditional soil/water permits will be recorded by the Department of Agriculture, with the County Register of Deeds.

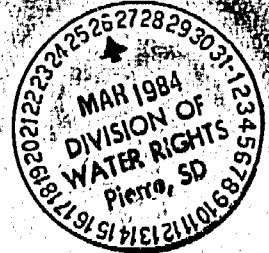
SOUTH DAKOTA DEPARTMENT OF AGRICULTURE  
DIVISION OF CONSERVATION

NAME OF APPLICANT: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:



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

The soils of South Dakota can be subject to a water table. When this occurs, this water table may become shallow in the root zone. Should this occur, crop yields will be reduced by the excess water and the natural salts found in the soil may become concentrated just above the water table. For these reasons adequate internal drainage is required to achieve adequate drainage. An artificial system may be required i.e. tile drainage. The drainageways shall remain in grass to prevent erosion and address trafficability problems.

RECOMMENDED MANAGEMENT:

We recommend the use of conservation tillage to conserve moisture. We also recommend that a monitoring program be used to watch for the effects of the water table. This information will be beneficial in your water management and enable you to minimize the leaching of salts.

SIGNATURE \_\_\_\_\_

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

April 2, 1986

Stephen Puttmann  
RR 1, Box 141  
Estelline, SD 57234

NOTICE

Re: Violation of Water Permit No(s). 1812-3, 4522-3, 2264-3, and 3374-3 and 1985 Irrigation Questionnaire Requirements.

Our records indicate that the 1985 Irrigation Questionnaire has not been submitted for Water Permit No(s). 1812-3, 4522-3, 2264-3, and 3374-3. The request for the questionnaire was dated November 13, 1985. The Water Management Board has directed that owners of water permits who have not submitted 1985 Irrigation Questionnaires be given notice of permit violation and of hearing(s) before the Board. The hearing(s) will be held to determine action to be taken by the Board of violation of Water Permit No(s). 1812-3, 4522-3, 2264-3, and 3374-3 qualification:

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

The hearing will also be to determine if Permit No(s). 4522-3 should be amended with the qualification to require the Questionnaire to be submitted each year.

The hearing(s) will be at 2:00 p.m., May 14, 1986, in Room 216, Joe Foss Building, Pierre, South Dakota.

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

Following the hearing(s), the Water Management Board can:

1. Suspend Permit No(s). 1812-3, 4522-3, 2264-3, and 3374-3 until either the 1985 Questionnaire is submitted or for the period of up to one year;

Stephen Puttmann

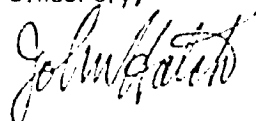
April 2, 1986

Page 2

2. Amend Permits No(s). 4522-3 also held by Stephen Puttmann to require the Irrigation Water Use Questionnaire to be submitted each year;
3. Postpone any action;
4. Take no action.

The hearing(s) is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

Sincerely,



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

Note: If the questionnaire(s) are received in this office before the May 14th hearing date, you will no longer be in violation of your permit(s) and your name will be deleted from the agenda pertaining to these hearings.

D32403KS.WR

 **Department of  
Water & Natural Resources**

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

May 20, 1986

NOTICE OF AMENDMENT TO WATER PERMIT(s)

To: Steve Puttmann  
RR 1 Box 141  
Estelline SD 57234

FROM: John Hatch, Chief Engineer  
Water Rights Division  
605 773-3352



SUBJECT: Amendment to Water Permit No(s). 1812-3, 2264-3 &  
3374-3

Pursuant to the provisions of the notice dated April 2, 1986, and following the Hearing May 14, 1986, the Water Management Board has amended Water Permit No(s). 1812-3, 2264-3 & 3374-3 to add the following qualification:

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

The addition of this qualification to your Permit means that failure to submit the required irrigation questionnaire in the future could result in suspension of the water permit and no use of water for up to one year for the first violation. Please include the enclosed attachment with your permit.

*Equal Opportunity Employer*

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

Attachment to Water Permit No. 3374-3

Pursuant to the provisions of the notice dated May 20, 1986, and following the Hearing May 14, 1986, the Water Management Board has amended Water Permit No. 3374-3 to add the following qualification:

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

*Equal Opportunity Employer*

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

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

February 22, 1989

4522-3  
3374-3  
1812-3

Allen Fugere  
Estelline, SD 57234

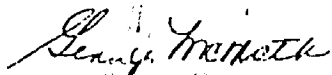
Dear Mr. Fugere:

I am contacting you in regard to the 1988 irrigation questionnaires for Water Permit Nos. 4522-3, 3374-3 and 1812-3. These permits are listed in the name of William Sanderson. Mr. Sanderson notified us that you would be the person to contact concerning any irrigation done in 1938 under these permits.

Enclosed are the 1988 irrigation questionnaires pertaining to the above mentioned permits. The legal description of the land covered under each permit is typed in the left hand corner under Mr. Sanderson's mailing address. Please complete the questionnaires and return them to our office by March 10th.

I have enclosed a postage paid envelope for your convenience in returning the forms. If you have any questions, please contact me.

Sincerely,



GENNY MCMATH  
Natural Resources Analyst  
(605) 773-3352

enclosures





# Department of Water & Natural Resources

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

April 21, 1989

4522-3

3374-3

1812-3

Allen Fugere  
Estelline, SD 57234

Dear Mr. Fugere:

I am contacting you in regard to Water Right No. 1812-3 and Water Permit Nos. 3374-3 and 4522-3 for Bill Sanderson, Estherville, Iowa. As I indicated to you in a previous letter, Mr. Sanderson notified our office that you were the tenant and took care of the irrigation.

Presently, I am in the process of updating the mailing list for the 1989 irrigation questionnaire mailing (to be mailed in October, 1989). If it is satisfactory to you, I will list your name and address as tenant for Water Right No. 1812-3 and Water Permit Nos. 3374-3 and 4522-3. The 1989 irrigation questionnaires will be mailed directly to you instead of to Bill Sanderson.

If you have any questions or would rather the questionnaires be sent to Mr. Sanderson, please contact me.

Sincerely,

GENNY MCMATH  
Natural Resources Analyst  
(605) 773-3352



LICENSE FOR PERMIT NUMBER

3374-3

Well log received 1-13-92  
indicates well is 46' deep  
with 16" steel casing and  
16" screen  
Sandy material

1. Legal location of wells: \_\_\_\_\_  
\_\_\_\_\_ dams & structures: \_\_\_\_\_

2. Well Information: Well Drilling Firm Van't Hul & Sons Well Drilling

Completion Report Yes \_\_\_ No \_\_\_ No. of Wells 1 Depth 28'  
Casing a) diameter 14" Screen a) type \_\_\_\_\_  
b) length \_\_\_\_\_ b) length \_\_\_\_\_  
c) type Steel Static Water Level \_\_\_\_\_  
Pump a) make Western Land Roller Motor a) make Lister Diesel  
b) model SN- KB79100 b) model No. 282 HR56 H28  
c) size 8" c) horsepower rating 102  
d) capacity 900 gpm  
e) turbine pump - no. of stages \_\_\_\_\_  
f) operating PSI \_\_\_\_\_

3. Distribution lines or canals

a) size 8"  
b) type PVC  
c) length 300'

4. Dam Information:

a) height to crest \_\_\_\_\_ m) Outlet tubes:  
b) height to primary spillway \_\_\_\_\_ 1) diameter \_\_\_\_\_  
c) height to secondary spillway \_\_\_\_\_ 2) type \_\_\_\_\_  
d) crest width \_\_\_\_\_ 3) valved (Y/N) \_\_\_\_\_  
e) crest length \_\_\_\_\_ 4) valve type \_\_\_\_\_  
f) spillway length \_\_\_\_\_ 5) location on structure \_\_\_\_\_  
g) spillway width \_\_\_\_\_  
h) approx. storage \_\_\_\_\_ n) Category of Dam \_\_\_\_\_  
i) approx. storage to crest \_\_\_\_\_  
j) date constructed \_\_\_\_\_  
k) inspection sheet completed (Y/N) \_\_\_\_\_  
l) Name of Contractor \_\_\_\_\_

5. System Type a) sideroll:

- 1) length \_\_\_\_\_ feet
- 2) diameter of pipe \_\_\_\_\_
- 3) make, model & number of  
sprinklers \_\_\_\_\_
- 4) spacing of sprinklers \_\_\_\_\_
- 5) nozzle size \_\_\_\_\_

c) gun

- 1) make \_\_\_\_\_
- 2) nozzle size \_\_\_\_\_
- 3) capacity (GPM) \_\_\_\_\_
- 4) hose size \_\_\_\_\_
- 5) hose length \_\_\_\_\_

e) gated pipe

- 1) length \_\_\_\_\_
- 2) diameter \_\_\_\_\_
- 3) spacing of gates \_\_\_\_\_

f) portable boom

- 1) make \_\_\_\_\_
- 2) nozzle size \_\_\_\_\_
- 3) capacity (GPM) \_\_\_\_\_

b) towline:

- 1) length \_\_\_\_\_ feet
- 2) make, model & number of  
sprinklers \_\_\_\_\_
- 3) spacing of sprinklers \_\_\_\_\_
- 4) nozzle size \_\_\_\_\_

d) center pivot

- 1) make Olsen 103 Pl.
- 2) number of towers 9
- 3) distance between towers \_\_\_\_\_
- 4) overall length 1475'
- 5) end gun (Y/N) Y
- 6) high or low pressure 50
- 7) make & size of nozzles \_\_\_\_\_
- 8) capacity (GPM) 900

g) siphons

- 1) size \_\_\_\_\_
- 2) number \_\_\_\_\_

NOTE: For Permits with additional wells or changes in well locations, record the following for each well: pumping capacity, date constructed, well driller and if a well log is available.

Indicate any other permit(s) which are associated with project \_\_\_\_\_

| Yes | No       | Check Items                                                                                                         |
|-----|----------|---------------------------------------------------------------------------------------------------------------------|
| --- | ---      | 1. Soil and water permit lands agree with lands being irrigated and lands listed on permit?                         |
| --- | ---      | 2. Special qualifications to permit being abided by?                                                                |
| --- | ---      | 3. All structures, wells and lands on map?                                                                          |
| --- | ---      | 4. Irrigation Questionnaires checked to determine if permit owner started irrigation by end of construction period? |
| --- | <u>X</u> | 5. Is chemigation used?                                                                                             |
| --- | ---      | 6. If yes, does equipment comply with chemigation rules?                                                            |

REMARKS:

*South Dakota*

3374-3

DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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

GREAT FACES. GREAT PLACES.

October 25, 1991

Bill Sanderson  
703 1st Ave. S.  
Esterville, IA 51334

Dear Mr. Sanderson:

This letter is in regard to Water Permit Nos. 3374-3 and 4522-3 which I inspected on September 17, 1991. I have enclosed partially completed applications for these two water permits and a Notice of Transfer of Ownership for Water Permit No. 4522-3. Carefully review and complete the applications and the Notice of Transfer of Ownership for Water Permit No. 4522-3. Once the applications and notice of transfer are completed, sign them in the presence of a notary public.

The first application for Water Permit No. 3374-3 requires a \$50.00 filing fee to correct not only the location of 86 acres, but also the location of the developed well. This application also needs a Form 2A, enclosed, completed as much as possible. Fill out the part 1 letter g on Form 2A especially. Gerald Van't Hul said he would get your final production well logs to me as soon as he could.

The second application is to add 25 acres to Water Permit No. 4522-3 which requires a \$150.00 filing fee.

The Notice of Transfer of Ownership for Water Permit No. 4522-3 requires a \$2.50 filing fee.

Please remit a total of \$202.50 for payment of application fees and the transfer fee. Return the enclosed forms, completed and signed, along with your payment to this office.

If you have any questions, feel free to contact me.

Sincerely,

*Norma C. Job*

Norma C. Job  
Natural Resources Engineer I  
Division of Water Rights  
(605) 773-3352

enclosures



3374-3

DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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

NOV 14 1994

3374A-3

Bill Sanderson  
703 1st Ave. SW  
Esterville, IA 51334

Dear Mr. Sanderson:

Enclosed is Water License No. 3374A-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 414307 in the amount of \$50.00 which you paid for the inspection and issuance of the Water License.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 3374A-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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. If you have any questions, please contact our office.

Very truly yours,

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

rd  
enclosures

NOTE: The applicable portions of Water Permit No. 3374-3 have been incorporated into this Water License No. 3374A-3.

# CONSERVATION PLAN MAP

in County

Operator

Conservation District

Owner                      State                      Photo Nos.                     

Date prepared                      Approx. Scale = 1 mile                     

PREPARED BY U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE

This is a copy  
of Conservation Map,  
prepared by Government Engineer,  
Emmett 1908  
Estherville, Iowa.  
by J. J. Johnson  
County QCD.

11  
66  
81  
152

390

152



Return to Map  
Cabinet

Re: Al Blane  
Bill Sm

MAP NO 2658-3 APP NO 3374

