

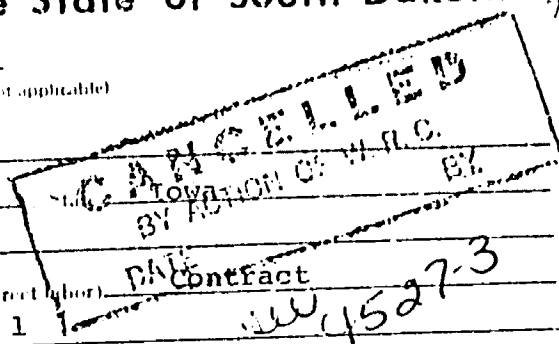
No. 4439-3
 Map No. 3668-3 Water Division No. 3 BIG SIOUX RIVER District
 (Blanks to be filled by the Engineer for the W. R. C.)


APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE: Draw a line through items not applicable)

1. Name of Applicant Rufab and Company
 Postoffice address 606 Cunningham Drive
Sioux City, Iowa
 If a corporation show date and place of incorporation No
2. Method of accomplishing work (contract, employment of others, or by direct labor) Contract
3. Name of diversion work Rufab and Company No. 1
4. Amount of water claimed (cubic feet per second) 3.14 CFS
5. Source of water supply Well
6. Location of point of diversion W 1/2 NE 1/4 of Section 31 Twp. 90 Range 48-W



- County Union
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 220

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>W 1/2 of NW 1/4 - Sec. 31</u>			
<u>Twp. 90 Range 48</u>	<u>60</u>		
<u>NE 1/4 of Sec. 31</u>			
<u>Twp. 90 Range 48</u>	<u>160</u>		

Attach here if more space is needed

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

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

Pump

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

Pipe

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$ 42,000.00
 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 _____

 I, _____ 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 24th day of Aug. 1979
 Signed Richard Mercer
 Notary Public for other qualified officers

WATER RIGHT APPLICATION APPROVAL

The Water Resources Commission hereby approves Water Right Application No. 4439-3
RUEB & COMPANY (Applicant) 606 CUNNINGHAM DR. - SIOUX CITY, (Post Office Address)
IOWA 51100 (State) With the following modifications:

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.

*Cancelled 7/24/80
 Incorporated into #4527-3*

Date of first receipt of application AUGUST 28 19 79
 Date of return to applicant for correction, amendments or changes required _____ 19 ____
 Date of receipt of corrected application WQ OCTOBER 12 19 79
 Approved NOVEMBER 27 19 79 Recorded in Book 21 Page 93

WATER RIGHT PERMIT NO. 4439-3

The Water Resources Commission hereby grants and issues this Water Right Permit No. 4439-3 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 AUGUST 28 1979
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before NOVEMBER 27, 1982
3. The whole of said work is to be completed on or before NOVEMBER 27 1984
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is NOVEMBER 27 1986
5. The water appropriated shall be used for the purpose of IRRIGATION
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.
7. The amount of the appropriation herein granted shall not exceed 3.14 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is actually and beneficially applied for irrigation on or before NOVEMBER 27 1986; said water to be used during the following described annual period: APRIL THRU OCTOBER

Witness my hand this 30th day of NOVEMBER 19 79

WATER RESOURCES COMMISSION

By:

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued _____ 19 ____

Water License Issued _____ 19 ____

KARPEN WELL & PUMP COMPANY

PHONE 966-5572
JEFFERSON, SOUTH DAKOTA
57036

Leighton Chicoine
Jefferson, S. Dakota

0- 1ft. clay topsoil
1- 6 ft. clay-sand layers
6- 7ft. gray clay
7-15ft. sand
15-22ft. fine gravel .. sand
22-26ft. fine gravel .. clay layers
26-33ft. gray clay
33-46ft. sand - clay -fine gravel layers
46-52ft. sand
52-60ft. fine gravel - sand layers
60-104ft. gravel

Marjorie Karpen

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

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30, Depth 110
- (2) Casing, Type Transite Diameter 16 Thickness 1/2
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type Transite slotted, Diameter 16, Length 36
- (4) Gravel Pack, Thickness 14, Length of gravel pack 40'

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 See attached log

Depth to top of water bearing material 20

Depth to bottom of water bearing material 110

Thickness of water bearing material 50

Depth to water (ground surface to water level) 16

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

On same owner's property 0 rds. On property owned by others 80 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.

R. A. Co.
Signature of Applicant

SOIL/WATER COMPATIBILITY APPLICATION FORM

STATE CONSERVATION COMMISSION

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE

OWNERS NAME: Rufab & Company

606 Cunningham Drive
OWNERS ADDRESS: Sioux City, Iowa

Attention: Alan Booge
COUNTY LAND LOCATED IN: Union PHONE: 712-277-3504

TENANT'S NAME AND ADDRESS: (If Other Than Owner) Leighton Chicoine

Jefferson, So. Dakota

In accordance with State Law SDCL 46-5-6.5, if a water right is granted with a conditional permit (Soil/Water Compatibility), a copy of such conditional permit must be filed with the County Register of Deeds.

This action must be taken by the holder of a water right within 6 months of receipt of such water right.

LEGAL DESCRIPTION: (Show Legal Description to Nearest 10 Acres.) Twp. 90 Range 48

1. WELL LOCATION OR DIVERSION POINT: Center of - 60 Acres - East 1/2 of NW1/4 - Sec. 31 &

2. SURFACE WATER SOURCE Well 160 Acres - NE of Sec. 31 Twp. 90 Range 48 *Called SCC 10-15-79 ch. 14*

3. LOCATION OF AREA TO BE IRRIGATED: Same as #1 *Barlow/Chicoine*

4. INDICATE NON-IRRIGATED AREAS AND (APPROX.) ACRES ON MAP: (Farmstead, shelterbelts, wetlands, etc.)

TYPE OF IRRIGATION: (Show approximate acres under each type of system)

5. GRAVITY TOWLINE CENTER PIVOT xx GUN OTHER (Specify)

6. CROPS TO BE IRRIGATED Corn & Beans

7. SHOW ANY PORTION OF LAND THAT PRESENTLY HOLDS AN IRRIGATION PERMIT: YEAR OBTAINED: None

LAND:

IN WHAT NAME:

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

8. SAMPLE NUMBER:

9. SALINITY (EC X 10³)

10. SODIUM (SAR) ADJUSTED (SAR) 3.34

I hereby certify that I personally obtained or that I personally observed the 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 back) were followed, and that the sample was taken at 6 AM/P.M., on Aug. 1, 1979, at the following location: Same as #1

by Leighton Chicoine (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.

I also hereby certify that a chemical analysis of the irrigation 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 further, that the legal description for the location of the well and land to be irrigated is true and correct.

I understand that the Division of Conservation or agents thereof may obtain another water sample for the purpose of validating the water sample analysis taken at the time of application (SDCL 46-5-6.4).

SUBSCRIBED AND SWORN BEFORE ME THIS
15 DAY OF Aug., 1979.

(NOTARY PUBLIC)

RECEIVED

SEP 04 1979

South Dakota
Division of Conservation

IMPORTANT

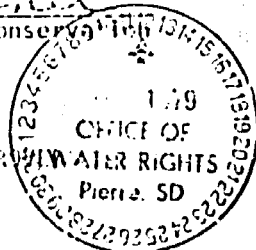
APPLICANT'S SIGNATURE

Director, Division of Conservation

X APPROVED

DISAPPROVED

CONDITIONALLY APPROVED



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 State Water Rights Commission.

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

NAME OF APPLICANT Rufab and Company, C/o Alan Booge, Sioux City, Iowa

SOIL RESTRICTIONS:

THE SOIL(S) LISTED BELOW CANNOT BE IRRIGATED:

RECOMMENDED MANAGEMENT:

1. Water should not be applied more than NA times during the irrigation season.
2. Each uninterrupted application (one rotation of center pivot) should be of at least NA inches of water.
3. ☒ Yes ☐ No Surface drainage suggested on any area that tends to pond
water.
4. ☐ Yes ☐ No Subsurface drainage suggested on _____.
5. ☐ Deep tillage (for the purpose of aiding movement of water through dense subsoils).

COMMENTS:

6. ☐ Heavy fall application of irrigation water.
7. Type of irrigation system recommended for use on this application pivot.

GENERAL COMMENTS:

In years of excess moisture and the possibility of Lake Goodenough refilling, elevation data indicates the possibility of high water table under your land, in which case the extreme flatness of the land and lack of surface drainability would present a problem.

Copy to applicant
Copy to Water Rights
Copy on file

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

Submitted by: WILLIAMSON COMPANY
 Address: Attn: Allen George
606 Cunningham Drive
Sioux City, Iowa 51102

Date Rec'd: August 17, 1979
 Sample No.: 79-141
 Identification: Well
Box, Sec. 31, T 90N, R 48E

WATER ANALYSIS

Calcium (Ca)	128	ppm*	6.40	me/l**
Magnesium (Mg)	43	ppm	3.54	me/l
Sodium (Na)	63	ppm	2.72	me/l
Potassium (K)	11	ppm	0.28	me/l
Sulfate (SO ₄)	162	ppm	3.37	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	4	ppm	0.11	me/l
Bicarbonate (HCO ₃)	571	ppm	9.36	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe) me/l		ppm		me/l
Fluoride (F) me/l		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	468	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	986	microhmhos per cm at 25° C.		
Sodium Adsorption Ratio	1.20	Adjusted SAR	3.34	
Sodium	21.00	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.48			

Others:

*ppm=parts per million

**me/l=millequivalents per liter

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

COMMENTS: Total cations 12.94 me/l
 Total anions 12.84 me/l

By: Shirley Litten

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. 79-141

Amount Enclosed \$

Signed

No. 4439-3

Publish first publication, on or before November 1, 1979

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

October 15, 1979

Notice is hereby given that Rufab & Company whose post office address is Sioux City, Iowa, XXXXXXXXXX, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8; 46-5-10 thru 46-5-22, 46-5-41; 46-6-3, 46-6-3.1, 46-6-5, 46-6-6.1, 46-6-10, 46-6-14 and Board Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use 3.14 cubic feet of water per second of time from groundwater (one well) through the Rufab and Co. No.1, the point ~~of~~ of diversion of which is ~~to~~ to be located in the W $\frac{1}{2}$ NE $\frac{1}{4}$

of Section 31, Twp. 60N, Range 48W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

E $\frac{1}{2}$ NW $\frac{1}{4}$ and NE $\frac{1}{4}$ of Section 31-T60N-R48W

This Application No. 4439-3 will be considered by the Water Management Board at in Meeting Room #1, Knelp Building,
Church & Illinois Street, Pierre, SD upon the 27th day of November 1979

at 10 A.M. The Board is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Board decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Board in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person 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 at the hearing. Decisions of the Board may be appealed to the Courts as provided by law.

WATER MANAGEMENT BOARD

BETTY WESTLUND

Water Rights Specialist

cc: Rufab & Company
606 Cunningham Dr.
Sioux City, IA 51100

FORM 6 - Notice of Intent to Appropriate Water
GROUNDWATER

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Lester E. Emerson hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the The Leader-Courier

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

City of Elk Point

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

Thursday, October 25, 1979

Thursday, November 1, 1979

Lester E. Emerson
(Signature)

Publisher-Editor
(Title)

November 1 1979
(Date Signed)

NOTICE OF HEARING
ON APPLICATION TO
APPROPRIATE WATER
Pierre, South Dakota 57501

October 15, 1979

Notice is hereby given that
Rufab & Company whose post
office address is Sioux City,
Iowa, has made an application in
accordance with the provisions
of SDCL 46-1-1 thru 46-1-9,
46-1-14; 46-2-9 thru 46-2-11,
46-2-13; 46-5-1 thru 46-5-8; 46-5-
10 thru 46-5-22, 46-5-41; 46-6-3,
46-6-3.1, 46-6-5, 46-6-6.1, 46-6-
10, 46-6-14 and Board Rules
ARSD 52:01:01:01 thru 52:01:01:13,
for a permit to appropriate
for beneficial use 3.14
cubic feet of water per second of
time from groundwater (one
well) through the Rufab and Co.
No. 1, the point of diversion of
which is to be located in the W2
NE1/4 of Section 31, Twp. 90N,
Range 48W. Said water to be
used for the purpose of provid-
ing irrigation on portions of the
following described land: E1/2
NW1/4 and NE1/4 of Section 31-
T90N-R48W.

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will be considered by the Water
Management Board in Meeting
Room #1, Kneip Building,
Church & Illinois Street, Pierre,
SD upon the 27th day of
November 1979 at 10 A.M. The
Board is authorized to make a
determination on this application
at the hearing. All interested
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affected by a Board decision who
desires to present evidence or
cross-examine witnesses accord-
ing to SDCL 1-26 may notify the
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and other due process rights will
be forfeited if they are not
exercised at the hearing. Deci-
sions of the Board may be
appealed to the Courts as pro-
vided by law.

Water Management Board
Betty Westlund
Water Rights Specialist
Pub. Act. 25, Nov. 1.



RECEIPT

WATER RIGHTS COMMISSION

State of South Dakota

No 4 7098

PIERRE, September 7, 1919

RECEIVED OF Rulph & Company, 5001 E. Washington, Phoenix, Arizona 85034
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to appropriate Water No. 4439-3 (examination, processing, recording and filing)	275	00
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-Dr. 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	275	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer

JOHN HATCH kw

 **Department of
Water & Natural Resources**

Joe Foss Building Water Rights, Water Management Division
Pierre, South Dakota 57501 (605) 773-3352

August 6, 1980

Rufab and Company
606 Cunningham Drive
Sioux City SD 51100

Dear Sirs:

Enclosed herewith is your Water Right Permit No. 4527-3 as approved by the Water Management Board authorizing you to construct your water diversion system and apply the water to beneficial use, not exceeding the limits as specified in said Water Right Permit No. 4527-3.

Also enclosed is FORM 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Water Management Board when you have completed the system and/or have put the water to beneficial use. The Board can then schedule an inspection so that your Certificate of Construction and/or Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights, WMD

JH: kw

enclosure

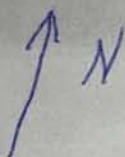
NOTE: The applicable portions of Permit No. 4439-3 have been incorporated into this Permit No. 4527-3 and Permit No. 4439-3 has been placed in a cancelled status.

WRR-800-7/79

Forwarding Permit to Appropriate Water

NOT TO SCALE

(8-163)
41.3



(8-138)
43.4

142R

3.5

(8-154)
76.0

25.0

X well

299.0

31.0

(8-163)
41.3

Map checked by
L. E. De Smet
Alman Co. Ext agent
Aug 15-1979

(2-43)

51.7
286.4

90-48

142R

~~MAP 3660-3~~ Appl. 4439-3