

WATER PERMIT NO. 6339A-3

Name of Applicant: Allen Gatzke

Address: 39351 187th St, Hitchcock SD 57348

Phone: 605 266-2711

Amount of Water Claimed: no additional

Total Acres: no additional

Source of Water Supply: groundwater

Water to be used for: irrigation County: Spink

Type of Waste Disposal System:

Location: 4 miles northwest of Hitchcock

PRIORITY Date Received: 12-³⁰~~28~~-02

Application/License Fee: \$50

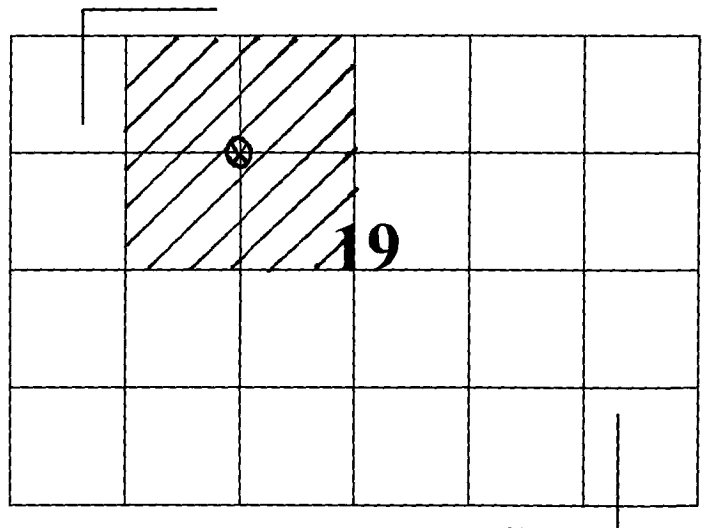
Corrected Application Received:

Period of Annual Use: April 1 – September 30

Remarks: Transfer the irrigation of 160 acres authorized by No. 6339-3 from the W ½ Sec 14-T114N-R63W to the NW ¼ Sec 19-T114N-R62W

Diversion Point: center NW ¼ Sec 19-T114N-R62W

Land to be Irrigated: NW ¼ Sec 19-T114N-R62W



Depth of Well: 72 feet

Well Driller: : Pullman Drilling

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 12-30-02

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 6339A-3 FOR IRRIGATION

Date of first receipt of application December 30, 2002.

The Water Management Board approved Water Permit No. 6339A-3 on March 5, 2003 for Allen Gatzke, 39351 187th St. Hitchcock SD 57348 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6339A-3 amends Water Permit No. 6339-3 by transferring a portion of the irrigated acreage and point of diversion to other land. Water Permit No. 6339-3 appropriates 3.56 cubic feet water per second from two wells (Tulare:Hitchcock Aquifer) located in the centers of the NW ¼, SW ¼ Section 14 to irrigate 320 acres located in the W ½ Section 14; all in T114N-R63W. This permit authorizes moving the location of 160 of the 320 acres approximately 2 miles to the southeast with the well to be located in the approximate center of the NW ¼ Section 19 to irrigate 160 acres located in the NW ¼ Section 19-T114N-R62W. The water source for this irrigation system is the Tulare:Hitchcock Aquifer and no increase in the diversion rate or number of acres irrigated is authorized by this permit. The remaining 160 acres authorized by Water Permit No. 6339-3 will be reissued as Water Permit No. 6339A-3 to be located in the S ½ NW ¼, N ½ SW ¼ Section 14 with the well located in the approximate center of the quarter-quarter line between the NW ¼ and the SW ¼ Section 14; all in T114N-R63W.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is July 12, 2002.
4. One-fifth of the construction is to be completed on or before September 5, 2005.
5. All construction is to be completed on or before March 5, 2008.
6. Water is to be put to beneficial use on or before March 5, 2012.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6339A-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
4. The approval of Permit No. 6339A-3 withdraws deferred Water Permit Application No. 6348-3 from future consideration.

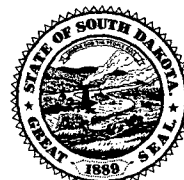
WATER MANAGEMENT BOARD

By: Garland Erbele

Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 13 2003

date



Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	No. <u>6339A-3</u> (office use only) Hydrologic Unit <u>10160006</u>	RECEIVED DEC 30 2002 WATER RIGHTS PROGRAM
	Basin <u>James River</u>	
	Newspaper <u>Redfield Press, Redfield</u>	

Application For Permit To Appropriate Water For Irrigation

Type of Application: New Vested Right Amendment/Correction to Permit No. 6339-3
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.) transfer
Ac From Deferred AP 6348-3 to the water
Permit 6339-3

1. Name of Applicant Allen Gatzke Phone 605 266 2711
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address 39351 187th st Hitchcock State SD 57348
(Street, RR, or Box and City) (Zip Code)

2. Amount of water claimed *CFS or **GPM ***AF Total Acreage NO ADDITIONAL
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Ground

4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) Next to center
off NW 1/4 Sec 19 T114 N, R62 W
County SPINK

5. County or counties where water will be used SPINK

6. Annual period during which water is to be used April 1 SEP Oct 31

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
NW 1/4 Sec 19	130		
	160		

8. Give a description of the project. (Attach sheet if more space is needed)

We would like to transfer permits because of location
NW 1/4 Sec. 19 is closer to our operation.

STATE OF SOUTH DAKOTA) SS
County of SPINK

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

I, Allen Gatzke, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Allen Gatzke

Subscribed and sworn to before me this 19 day of Dec 20 02

Marilyn M. Dyer
Notary Public Signature

My commission expires: 2-4-2004

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date December 30, 20 02

RECEIVED OF Gutsche Farms, 39351 187th St., Hitchcock ~~Hitchcock~~ SD 57348-7721

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6339A-3</u> to Appropriate Water, to construct and to put water to beneficial use	50	00
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 _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	50.00

No.

000408

By

Darlene Ebele
Chief Engineer gme

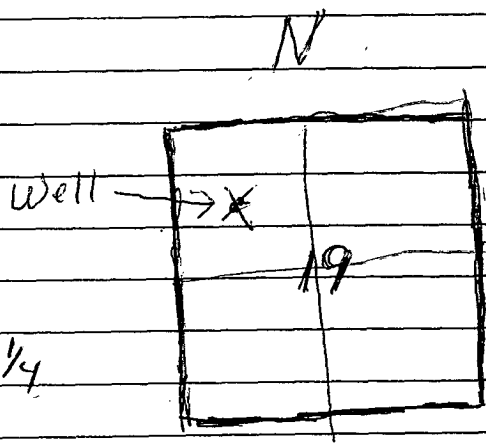
PULLMAN DRILLING, INC. - DRILLER'S LOG

(605) 883-4532
1-800-451-4884

Allen Gatzc JOB NAME	RR Hitchcock SD LOCATION	12-26-02 DATE	11 RIG NO	Paul Hofer FOREMAN
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Jt No	DEPTH	TIME	REMARKS
1	20		0-17 Yellow clay 17-20 Yellow sand
2	40		20-30 Yellow sand 30-40 Fine gray sand
3	50		40-45 Fine gray sand 45-50 med. to fine sand
4	60		50-55 Med. to coarse sand 55-60 Coarse sand w/coal
5	73		60-72 Coarse sand w/coal 72-73 Shale
6			
7			
8			
9			
10			3" well
11			T.O. 72'
12			20' .016 3" slotted
13			52' 3" blank
14			Pumped w/air 40 G.P.M.
15			Water head 15'
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			

114 N R 62 W
Sec. 19 N-W 1/4



MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP

2002

3.34.2

T1070

NC
APPI ND 6339-3

N 1/2 of SW 14

2.46.7

Proposed wall
to Irr 130 Acre

S 1/2 of NW 14

NC

I 21

4420-45R

1.46.1

1.53.8

114-6.3

6.5

T1058

26.8

5.132.2

2.5.7

T1071

3.5.3

5.5.9

1.130.0

4.6.7
114-6.3

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP

T1110

APPI 6348-3

T4349

1.15.0

NC

2.37.6

T1059

150

1.145.0

19

T10509

T10510

T4560

CRP
97-12

CRP
01-10

K22

4420-145R

21.1

1.74.7

2.71.3

1.77.2/1462

T1066

NC

3.4

13

4.150.0

3.1
2.6

63

lb. 2.3 CRF cl-u

2.2
2.2
2.0 NW

21.9 NC

4.20.3

NC

110.2 2

Our Operation

NC

J21

4420-1464

lb. 110.2

114-63

THIS

NW 1/4 sec 19
is Nex to our
Home location

T1110
NW 1/4
sec 19

19

1. 145.0

T10509



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6339A-3, Allen Gatzke**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6339A-3, Allen Gatzke, 39351 187th Street, Hitchcock SD 57348.

The Chief Engineer is recommending APPROVAL of Application No. 6339A-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6339A-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
4. The approval of Permit No. 6339A-3 withdraws deferred Water Permit Application No. 6348-3 from future consideration.

See report on application for additional information.

A handwritten signature in black ink that reads "Garland Erbele".

Garland Erbele, Chief Engineer
January 31, 2003

NOTE: If approved, this water permit will be assigned No. 6339A-3. The remaining 160 acres authorized by No. 6339-3 which will now be used to irrigate the S $\frac{1}{2}$ NW $\frac{1}{4}$ and N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 14 will be assigned No. 6339B-3. The July 12, 2002 priority date established by No. 6339-3 will be retained.

REPORT ON WATER PERMIT APPLICATION NO. 6339A-3
For Allen Gatzke
January 23, 2003

Application No. 6339A-3 proposes to amend Water Permit No. 6339-3 by transferring a portion of the permitted acreage and a point of diversion to other land. Water Permit No. 6339-3 appropriates 3.56 cfs from two approximately 60 feet deep wells located in the approximate centers of the NW $\frac{1}{4}$ and SW $\frac{1}{4}$ of section 14 to irrigate 320 acres located in the W $\frac{1}{2}$ of section 14; all in T114N R63W. This application proposes to move the location of 160 of the 320 acres approximately two miles to the southeast with the well to be located in the approximate center of the NW $\frac{1}{4}$ of section 19 to irrigate 160 acres located in the NW $\frac{1}{4}$ of section 19, T114N R62W. The water source will remain the same and no increase in the diversion rate or amount of acres irrigated is authorized by this application. The remaining 160 acres authorized by Water Permit No. will be located in the S $\frac{1}{2}$ NW $\frac{1}{4}$ and the N $\frac{1}{2}$ SW $\frac{1}{4}$ of section 14, T114N R63W with the well located in the approximate center of the acreage.

AQUIFER – TULARE HITCHCOCK (T-H)

The Tulare Hitchcock is a surficial outwash (sand and gravel) aquifer which is under water table conditions in this area. The aquifer underlies 96,000 acres and contains an estimated 360,000 acre-feet of recoverable water in storage in Spink County (Hedges, 1982). The Tulare Hitchcock has been combined with the Tulare Western Spink for water permit/right management purposes (Goodman, 2002). At the December 4, 2002 Water Management Board Hearing, the Board determined that the combined Tulare Hitchcock and Tulare Western Spink aquifers were fully appropriated based upon projected water use. As a result of this decision there is a list of ten deferred permit applications for water from the Tulare Hitchcock or Tulare Western Spink aquifers. These applications were deferred because the Board wanted to wait and see what would happen if all the recently approved applications were developed and what the water use would actually be. Eventually, the Board could determine if additional water is available for these deferred applications.

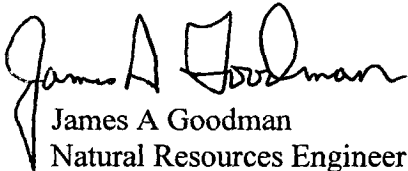
The applicant has drilled a test hole on the new acreage (NW $\frac{1}{4}$ of section 19) and the results indicate the Tulare Hitchcock aquifer was encountered from a depth of 17 to 72 feet below land surface. The test hole had a static water level of about 15 feet below land surface. This information is included with this permit application.

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are two existing water permits/rights within one mile of this application. The irrigation well for this application and the three existing wells are approximately one mile apart. Interference is not a concern. Drawdown created by pumping is not significant and this is shown by observation well SP-77I. This observation well is located within one mile of this proposed application (Water Rights, 2003).

CONCLUSIONS

1. The Water Management Board has deferred applications from the Tulare Hitchcock aquifer because of concerns that pumping from the aquifer will exceed the average annual recharge. The Board deferred applications in order to give existing permit holders and recently approved applications time to develop and place water to beneficial use. This time period is five years. After this time period the Board will determine if additional water is available for appropriation.
2. Any new applications from the Tulare Hitchcock or Tulare Western Spink aquifer will be recommended for deferral.
3. This application is simply a request to transfer lands and water under SDCL 46-5-34. In effect, one-half of water permit No. 6339-3 will be moved about two miles east. This action will not adversely affect existing water permits/rights in the area. Approval of this application will result in two water permit Nos. 6339-3 and 6339A-3 both for a diversion rate of 1.78 cfs and irrigation of 160 acres.
4. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
5. There is a deferred water permit application No. 6348-3 on this same land as this application. Approval of this application must also require the withdrawal or denial of water permit application No. 6348-3.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

Hedges, L.S., 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, SD and Iowa, for US Army Corps of Engineers, SDGS, Vermillion, SD, 57069.

Goodman, J.A., 2002, Report on Water Permit Nos. 6330-3, 6331-3, 6332-3, 6336-3, 6337-3, 6338-3, 6339-3, 6340-3, 6343-3, 6344-3, 6345-3, 6346-3, 6348-3, 6353-3, for Water From the Tulare Hitchcock Aquifer and Water Permit Nos. 6333-3, 6334-3, 6347-3, 6351-3, 6352-3, for Water From the Tulare Western Spink Aquifer, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

Water Rights, 2002, Unpublished Observation Well Records for Spink County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

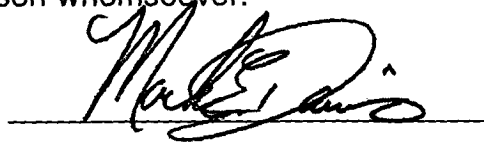
Affidavit of Publication

STATE OF SOUTH DAKOTA,
County of Spink: ss.

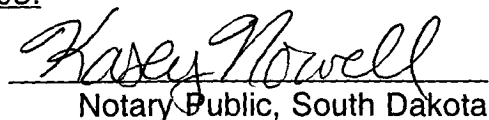
I, Mark E. Davis, of said County & State, being first duly sworn on oath, say that THE REDFIELD PRESS is a legal weekly newspaper as defined in Sec. 65.0508 South Dakota Code 1939, as amended by Chapter 298 of the Session of Laws of 1939, printed and published in the English language in the City of Redfield, in said County and State, by THE REDFIELD PRESS, and has been such newspaper during the time hereinafter mentioned, and that I Mark E. Davis, the undersigned, am Publisher of said newspaper in charge of the advertising department thereof, and have personal knowledge of all the facts stated in this affidavit, and that the legal or official notice entitled:

#36 Notice of Application

A printed copy of which is hereto attached, was printed and published in said newspaper in 2 successive issues, to wit: The first publication being made on February 5, 2003 and the last publication being made on February 12, 2003 that the full amount of the fee charged for publishing the same to-wit: the sum of Fifty and 61/100 Dollars, insures to the benefit of the publisher of THE REDFIELD PRESS, that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever.



Subscribed and sworn to before me this 12th day of February, 2003.


Notary Public, South Dakota

My term expires 08/16/08

RECEIVED

FEB 13 2003

WATER RIGHTS
PROGRAM



Notice of Application

No. 36
NOTICE OF APPLICATION NO.
6339A-3 TO AMEND WATER
PERMIT 6339-3

Notice is given that Allen Gatzke, 39354 187th St, Hitchcock SD 57348 has filed an application for a water permit to amend Water Permit No. 6339-3 by transferring a portion of the irrigated acreage and point of diversion to other land. Water Permit No. 6339-3 appropriates 3.56 cubic feet water per second from two wells (Tulare-Hitchcock Aquifer) located in the centers of the NW 1/4, SW 1/4 Section 14 to irrigate 320 acres located in the W 1/2 Section 14; all in T114N-R63W. This application proposes to move location of 160 of the 320 acres approximately 2 miles to the southeast with the well to be located in the approximate center of the NW 1/4 Section 19 to irrigate 160 acres located in the NW 1/4 Section 19-T114N-R62W. The water sources for this irrigation system is the ~~Tulare-Hitchcock~~ Tulare-Hitchcock Aquifer and no increase in the diversion rate or num-

ber of acres irrigated is authorize by this application. The remaining 160 acres authorized by Water Permit No. 6339-3 will be located in the S 1/2 NW 1/4, N 1/2 SW 1/4 Section 14 with the well located in the approximate center of the quarter-quarter line between the NW 1/4 and the SW 1/4 Section 14; all in T114-R63W.

State Law (SDCL 46-5-34) allows an irrigation water right to be severed from one parcel of land and simultaneously transferred to another parcel if it is impractical to use all or any part of the water beneficially or economically for irrigation on the current land. Mr. Gatzke indicates as his justification for this change that the land is nearer to his home place operation.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6339-3 because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by February 24, 2003. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

The Water Management Board will consider this application at 11:30 A.M. March 5, 2003 in the Matthew Training Center, Foss Building, 523 E. Capitol Ave., Pierre, SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The March 5, 2003 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by February 24, 2003.

Any hearing may be an adversarial proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by February 24, 2003, at the above Water Rights Program address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15.

Steven M. Pimer, Secretary
Department of Environment and
Natural Resources
(February 5, 12)

Instruction to Newspaper - Publish first Notice on February 5, 2003 with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 6339A-3
to Amend Water Permit No. 6339-3

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(continued)

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, 46-6-26; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

January 31, 2003

Redfield Press
PO Box 440
Redfield SD 57469-0440

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6339A-3 to Appropriate Water to be published twice. Please publish the first notice on February 5, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Allen Gatzke, 39351 187th St., Hitchcock SD 57348 (Ph # 605-266-2711).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,


Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

No. 6339A-3

Date _____

We are in receipt of your letter of January 31, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6339A-3 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

**NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATES, CONTACT
THE NEWSPAPER RIGHT AWAY.**

January 31, 2003

Allen Gatzke
39351 187th St.
Hitchcock SD 57348

Dear Mr. Gatzke:

Water Permit Application No. 6339A-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Redfield Press printed at Redfield, SD (Ph # 605-472-3634). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund
Natural Resources Engineer
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 13 2003

Allen Gatzke
39351 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed are Water Permit Nos. 6339A-3 and 6339B-3 authorizing construction of your water diversion systems and beneficial use of the water, not exceeding the limits as specified in the Water Permit. Also, enclosed is the receipt for payment of the application filing fee.

Water Permit No. 6339-3 has been divided and reissued based on action by Water Management Board taken on March 5, 2003 which transferred portions of the acreage to be irrigated and point of diversion to other lands.

Form 10s, *Notice of Completion of Works and Application of Water to Beneficial Use*, are enclosed. Please return these completed forms after you have finished the systems and have put the water to beneficial use. An investigation can then be scheduled so the water licenses may be issued, thus completing the acquisition of a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location N $\frac{1}{4}$ W $\frac{1}{4}$ Sec 19 Twp 115 Rg 62

County

Spink

North

Please mark well
location with an "X"

W

E

Well Completion Date

4/4/2003

1 Mile

Distance to nearest potential pollution source (Septic tank, abandoned well, feed lot, etc.)

? ft. from (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse

CASING DATA:

☐ Steel ☒ Plastic ☐ Other
If other describe

PIPEWEIGHT LB/FT	DIAMETER IN	FROM FT	TO FT	HOLE DIAMETER IN
	16.00	0.0	52.0	24.00

GROUTING DATA:

Grout Type ement	No. of Sacks	Grout Weight Lb/gal	From 0.0 Ft	To 20.0 Ft
	20			

Describe grouting procedure
Line

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 16.00 Inches Length 20.0 FeetMaterial PVCSlot Size .060 Set From 52.0 Feet to 72.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No
If so, what material? Gravel Pack

Describe packer(s) and location

Pea Rock @ 52

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Pellets
☐ No, Why Not?
Lab sample sent to for
water quality analysisWell Owner: Allan GatzkeBusiness Name: Address: 39335 187th StCity, State, Zip: Hitchcock SD 57348

WELL LOG:

DEPTH

FORMATION	FROM	TO
Yellow Clay	0	16
Yellow Sand	16	28
Gray Sand	28	72
Blue Clay	72	

STATIC WATER LEVEL 22.0 FEETIf flowing: closed in pressure PSIGPM flow through Inch pipeControlled by ☐ Valve ☐ Reducers ☐ Other Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe: w/air
☐ Bailed

☐ Other

Pumping Level Below Land Surface

 Ft. After Hrs. pumped 700.0 GPM Ft. After Hrs. pumped GPMIf pump installed, pump rate: GPM

REMARKS

RECEIVED

DEC 31 2003

WATER RIGHTS
PROGRAMThis well was drilled under license # 440

And this report is true and accurate.

Drilling firm: Pullman Well Drilling Inc

Signature of License Representative:

Rayne Pullman

Signature of Well Owner or Equitable Property Holder:

Date: 12-29-03

12-31-03

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

Date July 25-03

TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181

RECEIVED

NOV 25 2003

WATER RIGHTS
PROGRAM

FROM: Allen Gatzke
(name)

39354 187 st
(address)

Hitchcock SD 57348
(city, state, zip)

605-2462711
(phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 6339-3 states that the water use system is to be constructed by

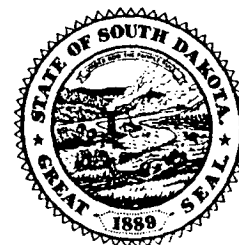
May 1 03, and water is to be put to beneficial use by MAY 15-03
(date) (date)

The water use system was completed on MAY 15-03
(date)

Applying the water to beneficial use was completed on MAY 15-03
(date)

You may schedule an investigation so that the water license may be issued.

Allen Gatzke
(signature)





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

AUG 01 2008

6338-3

6338A-3

6339A-3

6339B-3

6340-3

Allen Gatzke
39352 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed is Water Permit No. 6338A-3 which amends several water permits by severing a portion of the permits and simultaneously transferring to other land. To reflect Water Management Board action taken on July 12, 2006, to transfer diversion rate authority and acres, Water Permit Nos. 6338-3, 6340-3, 6339A-3 and 6339B-3 are also being reissued.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system for Water Permit No. 6338A-3 and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

**REISSUED
SOUTH DAKOTA
WATER PERMIT NO. 6339A-3 FOR IRRIGATION**

The Water Management Board approved Water Permit No. 6339A-3 on March 5, 2003 for Allen Gatzke, 39351 187th St, Hitchcock SD 57348 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6339A-3 appropriates 1.78 cubic feet of water per second from one well (Tulare:Hitchcock Aquifer) located in the approximate center of the NW ¼ Section 19 to irrigate 160 acres located in the NW ¼ Section 19; all in T114N-R62W.

To reflect Water Management Board action taken on July 12, 2006, to transfer diversion rate authority and acres, Water Permit No. 6339A-3 is being reissued as follows:

Reissued Water Permit No. 6339A-3 appropriates 1.668 cubic feet per second from one well (Tulare:Hitchcock Aquifer) located in the center of the NW ¼ Section 19 to irrigate 132 acres located in the NW ¼ Section 19; all in T114N-R62W.

2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is July 12, 2002.
4. One-fifth of the construction is to be completed on or before September 5, 2005.
5. All construction is to be completed on or before March 5, 2008.
6. Water is to be put to beneficial use on or before March 5, 2012.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 6339A-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
4. The approval of Permit No. 6339A-3 withdraws deferred Water Permit Application No. 6348-3 from future consideration.

WATER MANAGEMENT BOARD

By: Garland Erbele
Garland Erbele, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

AUG 01 2008

date



Permit No. 6339A-3
James River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, 6/6/2006, made a thorough examination of the water use system constructed by Allen Gatzke of 39351 187th St., Hitchcock SD 57348 holder of Permit No. 6339A-3, bearing the priority of July 12, 2002 authorizing the diversion of 1.78 cu. ft. per second of the waters of the Tulare: Hitchcock Aquifer for irrigation purposes, in Spink County.

Inspection contact & relationship to permit holder, if applicable: Allen Gatzke

A. Works used to divert the water:

Well Information (Well in NW¼ Section 19)

- 1) Well Drilling Firm Pullman Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 72 feet
- 4) Well log is available Y
- 5) Comment:

Casing:

- 1) Diameter 16 inches
- 2) Length 52 feet
- 3) Type PVC

Pump:

- 1) Make Goulds
- 2) Model 9RCLC
- 3) Size 1 Stage
- 4) Capacity 750 GPM

Screen:

- 1) Type Manufactured PVC
- 2) Length 20 feet
- 3) Static water level 22 feet

Motor:

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

B. Works used to apply water to beneficial use:

Center pivot: (Section 12)

- 1) Make Zimmatic
- 2) Overall length 1350 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) High or low pressure L
- 6) Capacity 750 GPM

C. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y
- 3) Exceptions to compliance None
- 4) Chemigation Equipment Does not chemigate
- 5) All structures, wells and lands on map Y

The system is in excellent condition with the point(s) of diversion located as follows: 1300 ft West and 1300 ft South of the N¼ corner of Section 19, T114N-R62W (N 44.67243 W -98.33700). The works are capable of diverting and conveying to the place of use 1.67 cu. ft. per second of water which is to be for irrigation use. Water has been put to beneficial use to the maximum extent as follows:

Section 19, T114N-R62W

NW¼ NW¼ - 33 acres

SW¼ NW¼ - 33 acres

SE¼ NW¼ - 33 acres

NE¼ NW¼ - 33 acres

comprising a total of 132 acres of land and the license should be issued for 1.67 cfs.

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

- Water Permit No. 6339-3 appropriates 3.56 cubic feet of water per second from two wells (Tulare: Hitchcock Aquifer) located in the centers of the NW¼ and SW¼ Section 14 to irrigate 320 acres located in the W½ Section 14; all in T114N-R62W.
- Water Permit No. 6339A-3 amends Water Permit No. 6339-3 by transferring a portion of the irrigated acreage and point of diversion to other land.
- Water Permit No. 6339A-3 authorizes moving the location of 160 acres located approximately 2 miles to the southeast to the NW¼ Section 19, T114N-R62W with the well to be located in the approximate center of section 19. The diversion authority of 0.112 and 28 acres were then transferred to Water Permit No. 6338A-3.

Aaron A. Tieman

Aaron Tieman

Natural Resources Project Engineer
DENR, Water Rights Program

Date report completed: 10/26/2007

Allen Gatzke
39351 187th St.
Hitchcock, SD - Spink County
Water Permit No. 6339A-3



0 0.125 0.25 0.5 0.75 1 Miles

Aaron A. Tieman

Aaron Tieman
Natural Resources Project Engineer
DENR Water Rights Program
10/26/2007





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JAN 28 2003

6338-3
6338A-3
6339A-3
6339B-3
6340-3

Allen Gatzke
39351 187th St
Hitchcock SD 57348

Dear Mr. Gatzke:

Enclosed are your Water License Nos. 6338-3, 6338A-3, 6339A-3, 6339B-3 and 6340-3. These are the final water right documents completing your process of obtaining Water Rights. Included with your licenses are maps prepared by the staff engineer who conducted the investigations.

For your information SDCL 46-6-27 requires that if the owner of an existing well(s), such as the wells authorized by the above water rights, 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.

Many of your irrigation systems are set up to use chemigation. The staff engineer who conducted the field investigation noted that the factory insert with your equipment combined the check valve, interlock, low pressure drain and vacuum relief valve. In order to comply with Water Management Board Rules for installation of chemigation equipment, you will need to install a hose on the low pressure drain to convey any drainage at least 20 feet from the water source. Enclosed are excerpts of Board Rules dealing with chemigation.

As long as you use the water beneficially, as stated in the Water Licenses, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 6339A-3**

(1) Allen Gatzke, 39351 187th St., Hitchcock SD 57348 was issued Water Permit No. 6339A-3, March 5, 2003 for a water permit to divert 1.78 cubic feet of water per second from ground water (one well – Tulare:Hitchcock Aquifer), Spink County, South Dakota for irrigation purposes. Permit No. 6339A-3, with a priority date of July 12, 2002 was issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before March 5, 2008 and for the application to beneficial use of said water on or before March 5, 2012. *The dates for completion of works and application of water to beneficial use should have reflected the same dates as authorized by Water Permit No. 6339-3. The system was completed prior to that time.*

On July 12, 2006, the Water Management Board took action to transfer diversion rate authority of 0.112 cfs and 28 acres from the corners and simultaneously transfer them to other land (see 6338A-3). Water Permit No. 6339A-3 was reissued for the remaining diversion rate of 1.668 cfs and 132 acres.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.67 cubic feet of water per second for beneficial use. The location of the diversion point is 1,300 feet west and 1,300 feet south of the N ¼ corner of Section 19, T114N, R62W (approximate center of the NW ¼).

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

Section 19, T114N, R62W	NW ¼ NW ¼	33 acres
	SW ¼ NW ¼	33 acres
	SE ¼ NW ¼	33 acres
	NE ¼ NW ¼	33 acres
	Total	132 acres

(4) Pursuant to South Dakota Water Law 46-5-30.1 Allen Gatzke, 39351 187th St., Hitchcock SD 57348 the holder and owner of Water Right No. 6339A-3 is issued a license to appropriate water, the right to use 1.67 cubic feet of water per second from ground water (one well – Tulare:Hitchcock Aquifer) with a priority date of July 12, 2002 from the location specified in (2) of this license. The water is to be conducted to and upon lands specified in (3) of this license for the purpose of irrigation.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 6339A-3 and subject to the following qualifications:

- The well approved under this Water Right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 6339B-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28 (*well completion report on file*).
- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.
- The approval of Permit No. 6339A-3 withdraws deferred Water Permit Application No. 6348-3 from future consideration.



Garland Erbele, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

JAN 28 2008

date

