

WATER PERMIT NO. 2381-2

Name of Applicant: Edward Hill

Address: PO Box 24, Kilgore NE 69216

Phone: 402 966-2104

Amount of Water Claimed: 2.28 Total Acres: 160

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: Todd

Type of Waste Disposal System: NA

Location: 15 miles south of Mission

PRIORITY Date Received: 3-17-97

Fee: \$250

Corrected Application Received:

Period of Annual Use: April 1 - October 31

Remarks:

Diversion Point: SW 1/4 NE 1/4

Sec 10-T36N-R29W

Land to be Irrigated: NE 1/4

Section 10-T36N-R29W

Depth of Well: 240 feet

Well Driller:

Remarks: well not driller yet

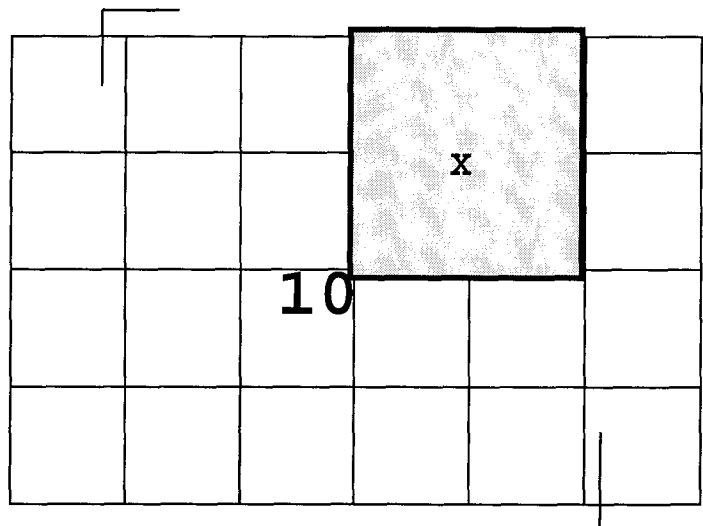
Type of Map: aerial

Prepared by: David A Gege, NRCS

Reviewed and the Number Assigned on: 3-18-97

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



**SOUTH DAKOTA
WATER PERMIT NO. 2381-2**

Date of first receipt of application March 17, 1997.

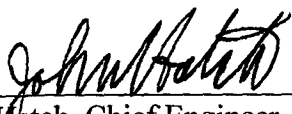
The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 2381-2 to Edward Hill, PO Box 24, Kilgore NE 69216 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 2381-2 appropriates 2.28 cubic feet of water per second from one well (Ogallala Formation) 240 feet deep located in the SW 1/4 NE 1/4 Section 10 to irrigate 160 acres located in the NE 1/4 Section 10; all in T36N-R29W.
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 March 17, 1997.
4. The date of approval of Permit No. 2381-2 is May 12, 1997.
5. One-fifth of the construction is to be completed on or before November 12, 1999.
6. All construction is to be completed on or before May 12, 2002.
7. Water is to be put to beneficial use on or before May 12, 2006.
8. 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. 2381-2 shall be constructed by a licensed well driller and construction 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.

WATER MANAGEMENT BOARD

By: 
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 11 1997

date



FORM 2: Application for irrigation in South Dakota
(type or print)

Mail to: Water Rights Program Joe Foss Building 523 E. Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)
	No. <u>2381-2</u> Hydrologic Unit <u>10150006</u>
	Basin <u>Nebraska Trib.</u>
	Newspaper <u>Todd Co. Tribune, Mission, SD</u>



Application For Permit To Appropriate Water For Irrigation

Type of Application: ☒ New ☐ Vested Right ☐ Amendment/Correction to Permit No. _____
(check one) (Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. acreage change, change diversion point(s), add diversion point(s), etc.) _____

1. Name of Applicant Edward Hill ☒ Owner ☐ Tenant/Lessee Phone 402-966-2104
Mailing Address PO Box 24, Kilgore State NE 69216
(Street, RR, or Box) (Zip Code)
2. Amount of water claimed 2.28 *CFS or **GPM ***AF Total Acreage 160
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout if applicable)
3. Source of water supply ground water 1 well
4. Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
SW1/4 NE1/4 sec 10-T36N-R29W County Todd
5. County or counties where water will be used Todd
6. Annual period during which water is to be used Apr 1 - 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
<u>NE1/4 NE1/4 sec 10-36N-29W</u>	<u>40</u>		
<u>NW1/4 NE1/4</u>	<u>40</u>		
<u>SW1/4 NE1/4</u>	<u>40</u>		
<u>SE1/4 NE1/4</u>	<u>40</u>		

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

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)

STATE OF SOUTH DAKOTA)

ss

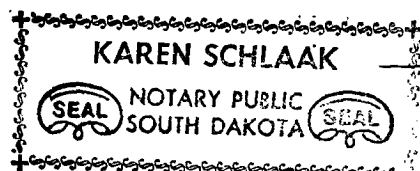
County of Hughes

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

Signed

Edward E Hill

Subscribed and sworn to before me this 17th day of March 19 97



Karen Schlaak
Notary Public
KAREN SCHLAAK, Notary Public
My Commission Expires
April 1, 2001

(type or print in ink)

1. Well Information - Proposed Construction

- a) Drill Hole Diameter 28" Depth 240'
b) Casing Type PVC SDR-26 Diameter 16" Thickness .625
c) Screen Type Slotted Diameter 16" Thickness .625
d) Gravel Pack Thickness 6" Length of Gravel Pack From 20' to 240'
e) Depth to Top of Water Bearing Material 100'
f) Depth to Water (ground surface to water level) 80'
g) Distance to nearest existing domestic well:

On applicants property $\frac{1}{4}$ miles On property owned by others Apr. $\frac{1}{2}$ mile

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
b) System Capacity (gallons) _____ c) Year Constructed _____
d) Connected to the City of _____ Sanitary System.

3. Dugout Information

- a) Surface Dimensions _____ Depth _____
b) Depth to water (ground surface to water level) _____



4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

- a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope

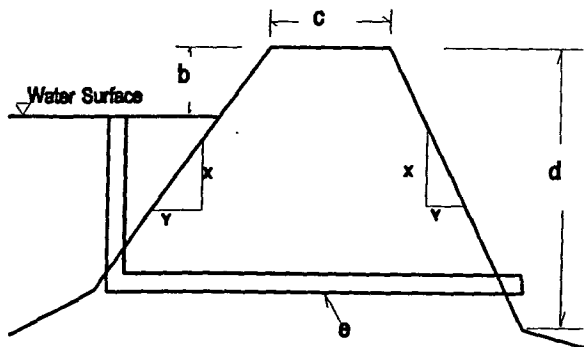
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP.

T996

N1115

T3361

1.
35.3
HEL

⊗ well

4.
106.1
HEL

1.
106.9
HEL

T996

10

T996

36-29

Q. J. A. Jones, DC

USDA-NATURAL RESOURCES CONSERVATION SERVICE
PO BOX 1
WHITE RIVER, SD 57821-0001

2381-2

RECEIPT

415274

Division of Water Rights

South Dakota Department of Environment and Natural Resources

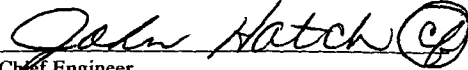
Pierre, _____ March 17, 19 97

RECEIVED OF Edward Hill, P.O. Box 24, Kilgore, NE 69216

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____	250	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 Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	250 00

By John Hatch 
Chief Engineer

NOTICE OF WELL CONSTRUCTION

1011

ORIGINAL RECORD FILED IN THE OFFICE OF THE STATE ENGINEER, IOWA, AT DES MOINES, IOWA, JANUARY 1, 1978. IT IS FURTHER CERTIFIED THAT THE PHOTOGRAPHIC REPRODUCTION OF THE NATIONAL BUREAU OF STANDARDS AND ON MICROFILM WHICH MEET THE RECOMMENDED REQUIREMENTS OF THE NATIONAL BUREAU OF STANDARDS. REDUCTION 25% ROLL NO. 2

WELL CONSTRUCTION

Location of well: Center 1/4 N.W. 1/4 Section 11 Township 36 Range 29
 Well owner Irwin Jackson Mission Route Valentine, Nebraska
 (Name) (Address)
 Date well drilling completed 10-29-76 Purpose of well irrigation
 (domestic, irrigation, municipal, industrial, other)

WELL LOG

Layers, top to top in feet	Description of layer	Depth to top of water producing aquifer	
0-80	ss, cs	85	ft.
80-83	clay	Depth to static water level	38 ft.
83-131	ss, cs	Name of producing aquifer (if known)	
131-135	clay	Total depth of drill hole	245 ft.
135-160	ss, cs	Depth to bottom of casing	245 ft.
160-164	clay	Casing information: In the space below show kind, size, weight, lengths per diameter, etc., for production casing and surface casing, if used. Casing is 16 inch .219 wall steel casing 160 feet perforated casing 85 feet plain casing	
164-180	cs		
180-209	ss, cs		
209-212	clay		
212-231	ss, cs	Screen information: In the space below show length of screen below bottom of casing, diameter and kind of screen or casing perforations. Perforated casing has 40 mill slots per foot. Slots are .150 x 3 inches.	
231-240	clay		
240-243	med sand		
243-260	red rock, clay		
Attach sheet if more space is needed		If a flowing well, flow of completed well _____ G.P.M.	

Sargent Irrigation Company
 Name of Drilling Contractor

PUMP INSTALLATION

Company name and size of pump 8" Sargent Pipe HP 100
 Type of pump turbine Capacity of installed pump 800 G.P.M.
 Depth of pump placement 160 ft., Date of pump installation 5-6-77

WATER SURFACE MEASURING TUBE

Some wells on air-tight water surface measuring tube is required: See Section 46.408 of Chapter 46.4, MINIMUM WELL CONSTRUCTION STANDARDS.
 Show exact vertical length of water surface measuring tube, when installed _____ ft., tube diameter _____,
 Tube material _____

Sargent Irrigation Company
 Name of Pump Installation Contractor



SOUTH DAKOTA WATER WELL COMPLETION REPORT

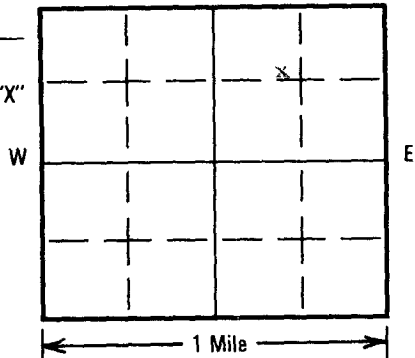
07-92

Location NW 1/4 NE 1/4 Sec 10 Twp 36 Rg 29

County Todd

North

Please mark well location with an "X"



Well Completion Date 6-10-97

LOCATION:

Distance from nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)? 4000 ft. from feed lot (identify source).

PROPOSED USE:

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

METHOD OF DRILLING:

Reverse Rotary

CASING DATA:

- ☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
20 LB/FT	16 IN	82 bgl FT	1 agl FT	30 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
cement	50	15.5 lb./gal	20 ft.	0 ft.
		lb./gal	ft.	ft.

Describe grouting procedure

pumped tremie pipe

SCREEN: ☒ Perforated pipe ☐ Manufactured

Diameter 16 IN Length 20 FEET

Material PVC

Slot Size .057 Set From 82 Feet to 180 Feet

Other information

WAS A PACKER OR SEAL USED? ☐ YES ☒ NO

If so, what material?

Describe packer(s) and location?

DISINFECTION:

Was well disinfected upon completion? ☒ YES, How: 1111

NO, Why Not?

Laboratory sent to for water quality analysis

Well Owner: EG Hill

Business Name: P.O. Box 24

Address: Kilgore, NE 69216

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
sand & magnesium	0	45
clay & fine sand	45	62
clay	62	81
sand	81	93
magnesium - hard	93	94
sand	94	140
clay	140	155
sand (good) chatter good	155	230
magnesium - hard	230	233
sand - good	233	240
sand	240	256
clay & sand	256	260
redrock	260	262

STATIC WATER LEVEL 59 Feet

If flowing: closed in pressure NA PSI

GPM flow through inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced Flowrate GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

150 ft. After 2 Hrs. pumped 700 GPM

204 ft. After 2 Hrs. pumped 1200 GPM

If pump installed, pump rate 700 GPM

REMARKS



This well was drilled under license # 189

And this report is true and accurate.

Drilling firm Grosch Irrigation Co., Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

WATER PERMIT APPLICATIONS NO. 2381-2 & NO. 2382-2

EDWARD HILL

APRIL 3, 1997

Water Permit Application No. 2381-2 proposes to appropriate 2.28 cubic feet of water per second from one well (Ogallala Formation) 240 feet deep located in the SW¼ NE Section 10 to irrigate 160 acres located in the NE¼ Section 10; all in T36N-R29W.

Water Permit Application No. 2382-2 proposes to appropriate 2.28 cubic feet of water per second from one well (Ogallala Formation) 240 feet deep located in the SW¼ NE Section 11 to irrigate 160 acres located in the NE¼ Section 11; all in T36N-R29W.

AQUIFER: Ogallala (OGLL)

GENERAL:

The High Plains Aquifer consists of the upper sandstone units of the Arikaree Formation, the Ogallala Formation, and the Sand Hills Formation, and any terrace or alluvial deposits, all of which are hydraulically connected (Kolm, 1983). The High Plains Aquifer underlies 4,750 square miles of South Dakota and contains an estimated 700 million acre feet of water in the state (Gutentag, 1984). The Ogallala Formation, which consists of clays, silts, sands and surface gravel deposits makes up a major part of the High Plains Aquifer. The Ogallala Formation underlies approximately 412,800 acres of Todd County and contains an estimated 12,384,000 acre-feet of recoverable water in storage in the county (Allen, 1984). The saturated thickness of the aquifer is estimated to be 200-400 feet in this area. (Kolm, 1983). The aquifer is under unconfined conditions with the water table controlled locally by topography. Precipitation is the principal source of recharge to the aquifer. The annual recharge rate has been estimated to be 8 percent of the precipitation rate, or about 1.3 in./yr to 1.8 in./yr (Kolm, 1983). Natural discharge occurs to streams and springs, and directly to the atmosphere by evapotranspiration.

WATER AVAILABILITY:

Water Rights Program monitors 84 observation wells completed into the Ogallala Formation, of which 22 are located in Todd County. Water Rights' Observation Wells TD-76F and TD-76G are located within two miles of the wells proposed by these applications. These observation wells are read monthly and show only slight fluctuations due to existing pumping and changes in climatic conditions (Water Rights, 1997).

There are 140 permits/rights which appropriate water from the Ogallala aquifer in South Dakota. There are 49 permits/rights from the Ogallala in Todd County. Irrigation is the major water use from the aquifer. Reported pumpage from the Ogallala for irrigation use can be seen in figure 1.

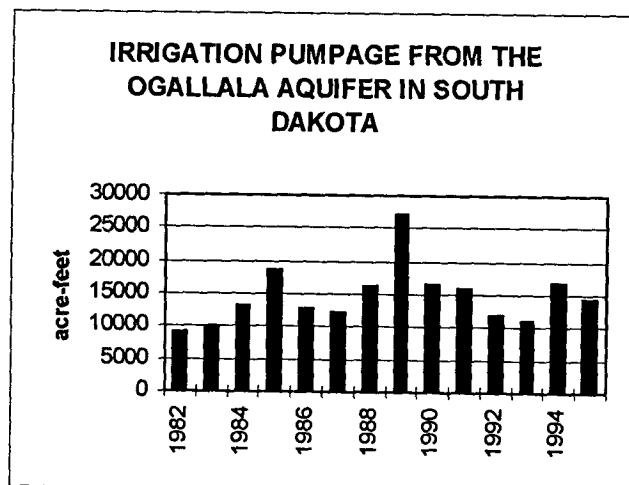


figure 1

AFFECTS ON EXISTING RIGHTS:

Since the Ogallala Aquifer is under unconfined conditions, drawdown from pumping an individual well is not expected be significant very far from the well. There are four irrigation permits/rights within one mile of the well sites proposed by these applications. They include:

PERMIT No.	OWNER
1289-2	Irvin Jackson
1763-2	Robert Hill
1720-2	Robert Hill
1681-2	Gunnink Farm Inc.

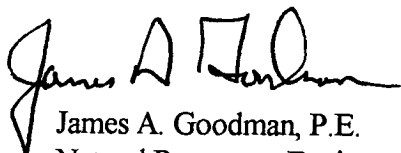
CONCLUSIONS:

1. The Ogallala Aquifer is a viable aquifer in this area, and water is available for these appropriations.
2. Well interference should not be a problem in this area.



Ken Buhler
Natural Resources Engineer

approved by



James A. Goodman, P.E.
Natural Resources Engineer

REFERENCES:

- Allen, J.C., D.Iles, A.Petres, 1984, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Task 3 & 4: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR- Geological Survey, Vermillion SD
- Gutentag, E.D., F.Heimes, N.Krothe, R.Luckey, J.Weeks, 1984, Geohydrology of the High Plains Aquifer in Parts of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming, United States Printing Office, U.S. Geological Survey Professional Paper 1400-B, Washington, D.C.
- Kolm, K.E., H.Case, 1983, A Two-Dimensional, Finite-Difference Model of the High Plains Aquifer in Southern South Dakota, U.S. Geological Survey Water-Resources Investigations Report 83-4175
- Water Rights Program, 1997, "Domestic Well Log Files, Observation Well Files, and Water Permit Files," DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2381-2, Edward Hill

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. 2381-2, Edward Hill, PO Box 24, Kilgore, NE 69216.

The Chief Engineer is recommending APPROVAL of Application No. 2381-2 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) 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. 2381-2 shall be constructed by a licensed well driller and construction 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.

See report on application for additional information.



JOHN HATCH, Chief Engineer
April 14, 1997

Approval of Location Change and/or Additional Diversion Point(s)

NAME: Edward Hill

ADDRESS: PO Box 24, Kilgore, NE 69216

DATE: November 29, 2001 COUNTY: Todd TELEPHONE: (402) 966-2104

AUTHORITY:

Pursuant to SDCL 46-5-13.1, the location of a diversion point may be changed or additional diversion points may be licensed provided the following conditions are met and the potential for interference with other existing diversions is not increased:

- **Developed water source same as permitted source and no additional water appropriated**

Water Permit Application No. 2381-2 described the diversion point located in the SW 1/4 NE 1/4 of Sec. 10-T36N-R29W and the well was developed in the NW 1/4 NE 1/4 of Sec. 10-T36N-R29W only a few feet from the center of the NE 1/4.

- **If irrigation, no new land is irrigated**

yes

- **Review of Existing Diversions**

yes

RECOMMENDED ACTION

Based on the above criteria, it is recommended that the diversion point(s) be licensed as developed.

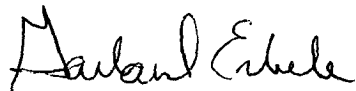


Timothy G. Schaal, P.E.

Natural Resources Engineer Specialist
Water Rights Program

The Chief Engineer makes a finding pursuant SDCL 46-5-13.1 and ARSD 74:02:01:14.01 that:

This change in location and/or additional diversion point(s) does not increase the potential for adverse effects to existing diversions.



Garland Erbele, Chief Engineer
Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

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

April 15, 1997

Edward Hill
P.O. Box 24
Kilgore, NE 69216

Dear Mr. Hill:

Water Permit Application Nos. 2381-2 and 2382-2 for irrigation use have 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 Todd Co. Tribune printed at Mission, SD (Ph # (605) 856-4469). For your information, a copy of the notice, the recommendations of the Chief Engineer and a report on the applications 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. 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 been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the applications.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendations, 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 applications.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 15, 1997

Todd Co. Tribune
Box 229
Mission, SD 57555-0229

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application Nos. 2381-2 and 2382-2 to be published twice. Please publish the first notice on April 23, 1997, 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 Edward Hill, P.O. Box 24, Kilgore, NE 69216 (Ph # (402) 966-2104).

A copy of BOTH publications must be SENT to the WATER RIGHTS PROGRAM. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. No action may be taken on the permit applications until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

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

Nos. 2381-2 + 2382-2

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to Appropriate Water by Application Nos. 2381-2 + 2382-2 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper

Instruction to Newspaper - Publish first Notice on April 23, 1997, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NOS. 2381-2 and 2382-2 to Appropriate Water

Notice is given that Edward Hill, PO Box 24, Kilgore NE 69216 has filed two applications for water permits.

Application No. 2381-2 is appropriate 2.28 cubic feet of water per second (cfs) from one well (Ogallala Formation) 240 feet deep located in the SW 1/4 NE 1/4 Section 10 to irrigate 160 acres located in the NE 1/4 Section 10; all in T36N-R29W.

Application No. 2382-2 is to appropriate 2.28 cfs from one well (Ogallala Formation) 240 feet deep located in the SW 1/4 NE 1/4 Section 11 to irrigate 160 acres located in the NE 1/4 Section 11; all in T36N-R29W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 2381-2 and 2382-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the chief engineer's recommendations. If a petition opposing the applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting 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 May 12, 1997.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to these applications. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Todd) SS

I, Kathy R Klein

certify that the attached printed Notice was taken

from the Todd County
Tribune

printed and published in Mission

County of Todd and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

April 23, 1997

April 30, 1997

Cost of Printing 38 lines @ .62 with

20% discount and insertion ^{23.56}
18.85
42.41

Kathy R Klein
(Signature)

Bookkeeper
(Title)

April 30, 1997
(Date Signed)

NOTICE OF APPLICATIONS NOS. 2381-2 AND 2382-2 TO APPROPRIATE WATER

Notice is given that Edward Hill, PO Box 24, Kilgore, NE 69216 has filed two applications for water permits.

Application No. 2381-2 is appropriate 2.28 cubic feet of water per second (cfs) from one well (Ogallala Formation) 240 feet deep located in the SW1/4NE1/4 Section 10 to irrigate 160 acres located in the NE1/4 Section 10; all in T36N-R29W.

Application No. 2382-2 is to appropriate 2.28 cfs from one well (Ogallala Formation) 240 feet deep located in the SW1/4NE1/4 Section 11 to irrigate 160 acres located in the NE1/4 Section 11; all in T36N-R29W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 2381-2 and 2382-2 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the chief engineer will act on the applications, as recommended, unless a petition is filed opposing the applications or the applicant files a petition contesting the chief engineer's recommendations. If a petition opposing the applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting these applications or recommendations must file a written petition with BOTH the applicant and chief engineer. The applicant must file a petition if contesting the chief engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre, SD 57501 (605-773-3342)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by May 12, 1997.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to these applications.

Nettie H. Myers, Secretary
Department of Environment and Natural Resources
Publ.: April 23 and 30, 1997.





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 11 1997

Edward Hill
P.O. Box 24
Kilgore, NE 69216

Dear Mr. Hill:

Enclosed are Water Permit Nos. 2381-2 and 2382-2 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

Also enclosed are two Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water Licenses may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
605 773-3352

enclosures

PLEASE NOTE: Certain changes may be made to your water permits usually without affecting the priority date. The location of a point of diversion may be changed or additional points of diversion may be approved if the water source remains unchanged; no additional water is appropriated; and, if irrigating, no additional land is irrigated. The change may be allowed without application or publication, if the Water Rights Program is contacted and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

A new water permit application is required to change water sources, increase the permitted diversion rate, or increase the irrigated acreage. If the application is approved, the water permit will receive a new priority date.



December 3, 2001

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

2381-2
2382-2

Edward Hill
PO Box 24
Kilgore, NE 69216

Dear Mr. Hill:

On November 14, 2001, the investigation of your water use systems, including the extent of application of water to beneficial use, as developed under Water Permit Nos. 2381-2 and 2382-2, were completed by Tim Schaal, a staff engineer with our program. Your final water right document, the water license, can now be issued for each water permit.

State law requires that we charge a \$50.00 fee for the investigation and issuance of the water license. Upon receipt of the \$100.00 fee (\$50.00 each) from you, we will complete processing your water licenses. The check or money order for the fee should be made payable to the "Water Rights Program".

Your licensed water rights will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permits, investigation of your water use systems or payment of the fees, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Program
(605) 773-3352

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

N2 417041

Pierre, January 3, 20 02

RECEIVED OF Edward Hill, PO Box 24, Kilgore, NE 69216
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct
and to put water to beneficial use _____

Fee for Application for Permit No. _____ to Appropriate Water, for Future
Use _____

Fee to retain Future Use Permit No. _____ after period of seven years.

Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water
License No. 2381-2

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

50 00

By

Darland Eide

Chief Engineer

gm

Permit No. 2381-2
Niobrara Trib. - 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, **November 14, 2001**, made a thorough examination of the water use system constructed by **Edward Hill** of **PO Box 24, Kilgore, NE 69216** holder of Permit No. **2381-2**, bearing the priority of **March 17, 1997** authorizing the diversion of **2.28** cu. ft. per second of the waters of **groundwater** for **irrigation** purposes, in **Todd** County.

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

A. Works used to divert the water:

Hydro Turbine 6 inch pump, Model 12 CH, Serial No. 13459 with a 75 Hp General Electric motor, Model No. 5K6258XHIA, Serial No. ALJ129467, capacity 700 gpm

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

Pipeline

C. Works used to apply water to beneficial use:

8 tower Reinke Electrogator Center Pivot

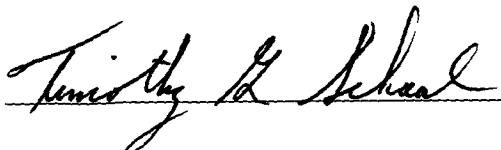
The system is in the following condition **Good**. The point of diversion is located **1300 ft. south & 1350 ft. west of the NE corner of Sec. 10-T36N-R29W (NW 1/4 NE 1/4)**. The works are capable of diverting and conveying to the place of use **1.56 (700 gpm)** cu. ft. per second of water which is to be used for **irrigation**. Water has been put to beneficial use to the maximum extent as follows:

NE 1/4 NE 1/4	Sec. 10-T36N-R29W--	33 Ac.
NW 1/4 NE 1/4	" "	-- 33 Ac.
SW 1/4 NE 1/4	" "	-- 33 Ac.
SE 1/4 NE 1/4	" "	-- 33 Ac.

comprising a total of **132** acres of land and the license should be issued for **1.56 (700 gpm)** cfs.

Applicable permit qualifications have been complied with: Yes **X**

Exceptions to compliance are: **none** Date Report Completed: **November 29, 2001**



Timothy G. Schaal, P.E.
Natural Resources Engineer Specialist
DENR, Water Rights Program

REPORT ON INSPECTION OF PERMIT NO. 2381-2

Other permit(s) associated with the project: XXXX

DATE OF INSPECTION: November 14, 2001

NAME & ADDRESS OF INSPECTION CONTACT/ Ed Hill

RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE: owner

NAME & ADDRESS OF PERMIT HOLDER: Edward Hill, PO Box 24, Kilgore, NE 69216

DIVERSION POINT LEGAL LOCATION: 1300 ft. south & 1350 ft. west of the NE corner of
Section 10-T36N-R29W (NW 1/4 NE 1/4).

WELL INFORMATION:

- 1) Well Drilling Firm: Grosch Irrigation Co.
- 2) No. of Wells 1
- 3) Depth(s) 262 feet
- 4) Well log is available yes

Casing:

- 1) Diameter 16 inches
- 2) Length 82 feet
- 3) Type PVC

Screen:

- 1) Type slotted PVC
- 2) Length 98 feet
- 3) Static water level 59 feet

Pump:

- 1) Make Hydro Turbine
- 2) Model 12 CH
- 3) Size 6 inch
- 4) Capacity 700 gpm

Motor:

- 1) Make General Electric
- 2) Model No. 5K6258XHIA
- 3) Horsepower rating 75 hp

SYSTEM TYPE:

Center pivot:

- 1) Make Reinke Electrogator
- 2) Overall length 1320 feet
- 3) Number of towers 8
- 4) Distance between towers XXX feet
- 5) End gun yes
- 6) High or low pressure low
- 7) Capacity 700 GPM

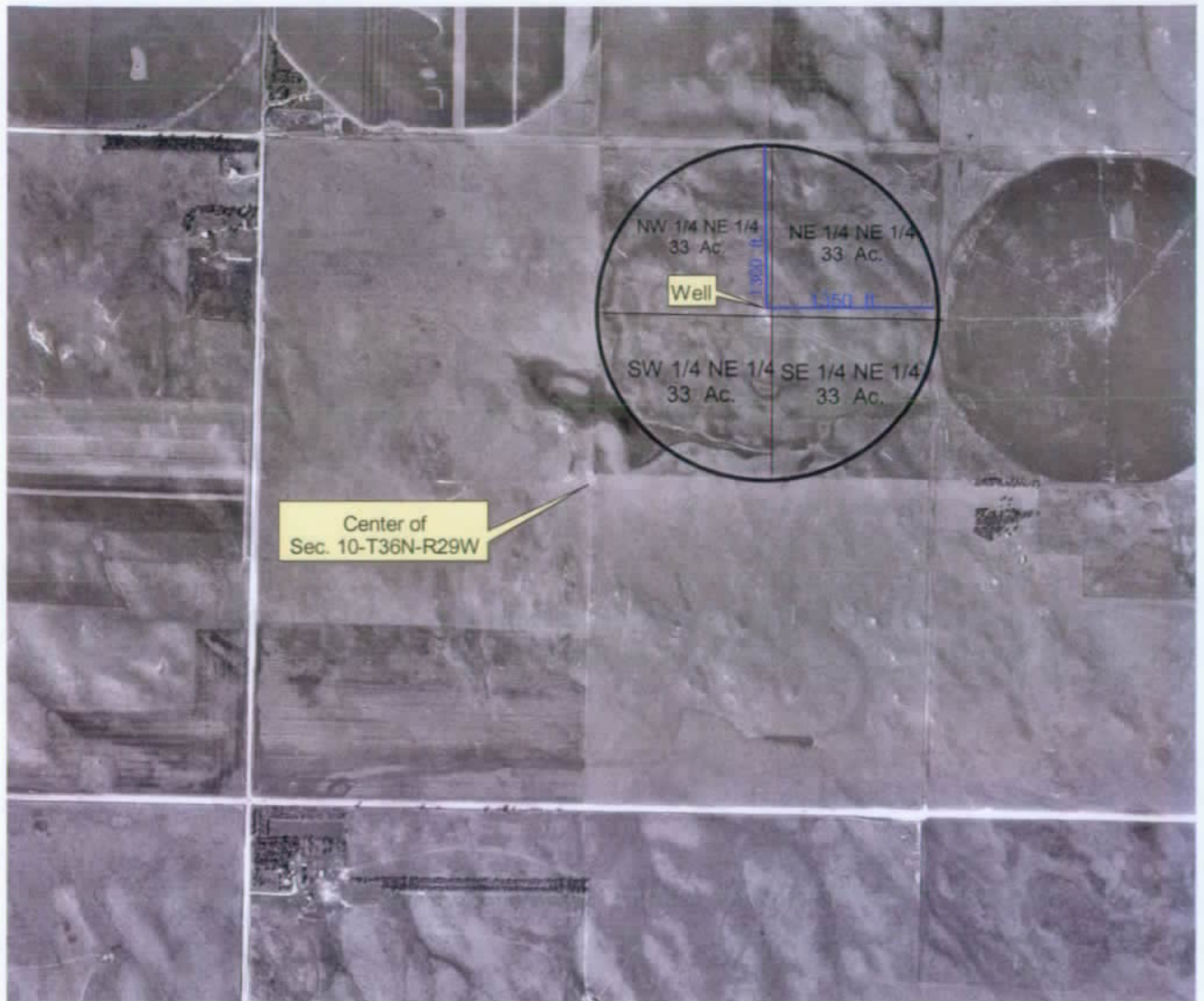
CHEMIGATION EQUIPMENT:

- 1) Does chemigate yes
- 2) Main line check valve yes
- 3) Inspection port/air relief yes
- 4) Low pressure drain yes
- 5) Discharge is 20 ft. from source yes
- 6) Interlock type electric
- 7) Injection pump type piston
- 8) Injection check valve yes
- 9) Injection line check valve or positive displacement pump pos. displacement pump
- 10) All chemigation equipment appears to be installed in the proper position and complies with chemigation laws and rules yes

PERMIT QUALIFICATIONS AND REGULATIONS:

- 1) Soil and water permit lands agree with lands being irrigated and lands listed on permit N/A
- 2) Special qualifications to permit being abided by yes
- 3) All structures, wells and lands on map yes
- 4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period yes

Water Permit Application No. 2381-2



2000 0 2000 4000 Feet



Timothy G. Schaal

Timothy G. Schaal, P.E. 11/29/01
Natural Resources Engineer Specialist
Water Rights Program

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 2381-2

(1) Edward Hill, PO Box 24, Kilgore, NE 69216-0024 made Application No. 2381-2, March 17, 1997 for a water permit to divert 2.28 cubic feet of water per second from ground water (one well), Todd County, South Dakota for irrigation purposes. Permit No. 2381-2, with a priority date of March 17, 1997 was approved May 12, 1997 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 12, 2002 and for the application to beneficial use of said water on or before May 12, 2006.

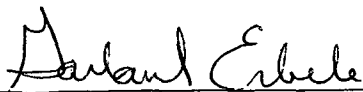
The investigation of the water use system found the location of the well authorized by Water Permit No. 2381-2 was not in the permitted or advertised area. Pursuant to SDCL 46-5-13.1, the Chief Engineer makes a finding that the change in location of the diversion point does not increase the potential for adverse effects to existing diversions.

(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 1.56 cubic feet of water per second for beneficial use. The location of the diversion point is 1,300'S and 1,350'W of the NE corner of Section 10, T36N, R29W (NW ¼ NE 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 10, T36N, R29W	
NE ¼ NE ¼	33 acres
NW ¼ NE ¼	33 acres
SW ¼ NE ¼	33 acres
SE ¼ NE ¼	33 acres
Total 132 acres	

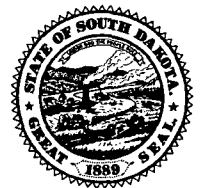
(4) Pursuant to South Dakota Water Law 46-5-30.1 Edward Hill, PO Box 24, Kilgore, NE 69216-0024 the holder and/or owner of Water Right No. 2381-2 is issued a license to appropriate water, the right to use 1.56 cubic feet of water per second from ground water (one well) with a priority date of March 17, 1997 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 any limitations or qualifications listed in Water Right No. 2381-2 and subject to South Dakota State Law.



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

JAN 15 2002

date





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JAN 15 2002

2381-2
2382-2

Edward Hill
PO Box 24
Kilgore, NE 69216-0024

Dear Mr. Hill:

Enclosed are Water License Nos. 2381-2 and 2382-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 417041 and 417042 each in the amount of \$50.00 which you paid for the investigation 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 wells authorized by Water Right Nos. 2381-2 and 2382-2, 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.

Sincerely,

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

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

October 31, 2016

Edward & Marilyn Hill
106 Lakeshore Dr
Valentine NE 69201 9300

RE: Water Right/Permit Nos. 1289-2, 2381-2, 2382-2 and 2624-2

Dear Mr. & Mrs. Hill:

Enclosed is a "Notice" dated October 21, 2016 concerning the 2016 irrigation questionnaires.

The notice was originally mailed to PO Box 24, Kilgore NE. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

January 14, 2025

NOTICE

TO: EDWARD HILL, 106 LAKESHORE DR, VALENTINE NE 69201

FROM: Ron Duvall, Engineer III
for Eric Gronlund, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2024 Irrigation Questionnaire(s)

Our records indicate your 2024 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 2381-2. The request for the Questionnaire was dated October 23, 2024. The Water Management Board has directed owners of water permits who have not submitted the 2024 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 2381-2 qualification:

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

The hearing will be held on **Wednesday, March 5, 2025, at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 2381-2 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is (are) received in this office before the **March 5, 2025**, hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Amanda Dewell at (605) 773-3352 or email at amanda.dewell@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: TEDHWV**

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



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

February 21, 2025

2381-2

Edward Hill
106 Lakeshore Dr
Valentine NE 69201

Dear Mr. Hill

I am writing to acknowledge the receipt of your 2024 irrigation questionnaire(s).

You may disregard the January 14, 2025, "Notice" concerning the reporting requirements for Water Permit No(s). 2381-2. The information was received prior to the March 5, 2025, Water Management Board meeting and the above listed permit number(s) have been removed from the agenda.

If you have any questions or concerns, please contact me.

Sincerely,

Amanda Dewell
Permitting Administrator
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us