

**WATER PERMIT NO. 7506-3**

Name of Applicant: Larry or Steve Knutson

Address: 515 Northridge Rd, Estelline SD 57234 Phone: 605 873-2603

Amount of Water Claimed: 1.78 cfs Total Acres: 152 acres

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: Hamlin

Type of Waste Disposal System:

Location: 5 miles west of Estelline

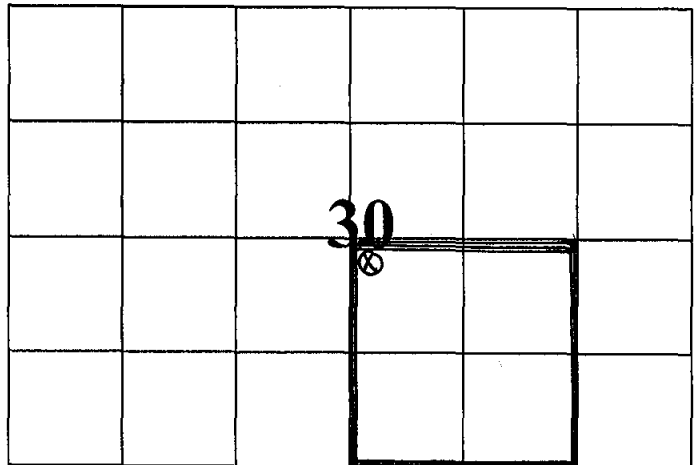
PRIORITY Date Received: 11-9-12 Application/License Fee: \$ 1050

Corrected Application Received: Period of Annual Use: May 1 – September 31

Remarks:

Diversion Point: NW 1/4 SE 1/4 Sec 30-T113N-R51W

Land to be Irrigated: SE 1/4 Sec 30-T113N-R51W



Depth of Well: 50 feet deep

Well Driller: Lacey Well Drilling

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 11-9-2012

By: Karen Schlaak

Notice of Hearing - date to intervene: \_\_\_\_\_

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

Mail to:  
PMB 2020  
DENR - Water Rights  
523 E Capitol Ave  
Pierre, SD 57501-3182  
ph. (605) 773-3352

(office use only)  
No. 7506-3 Hydrologic Unit 101.70202  
Basin Sioux River 605-873-2475  
Newspaper Estelline Journal. Box 159 57234  
Brookings Register. Box 177 57006 605-692 6271

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## Application For Permit To Appropriate Water For Irrigation

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

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

1. Name to Appear on Irrigation Permit Larry or Steve Knutson  
(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent \_\_\_\_\_  
(name and complete address if different than above name)

Mailing Address 515 Northridge Rd Estelline SD 57234  
(Address) (City) (State) (Zip Code)

Home Phone 605-873-2603 Cell \_\_\_\_\_ Email \_\_\_\_\_

2. Amount of water claimed 1.78 \*CFS or 800 \*\*GPM \*\*\*AF Total Acreage 152  
(\*Cubic Feet per Second) (\*\*Gallons per Minute) (\*\*\*Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Well

4. Location of point of diversion one well 100ft from west side. 100ft North side  
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)  
in the NW 1/4 of the SE 1/4 sec 30-113-51W County Hamlin

5. County or counties where water will be used Hamlin

6. Annual period during which water is to be used May - Sept 30

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 |
|---------------------------------|-------|------------------|-------|
| SE 1/4 of SE 1/4 sec 30-113-51W | 38    |                  |       |
| NE of the SE 1/4 sec 30-113-51W | 38    |                  |       |
| NW of the SE 1/4 sec 30-113-51W | 38    |                  |       |
| NE of the SE 1/4 sec 30-113-51W | 38    |                  |       |

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

Larry Knutson, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

**SOUTH DAKOTA**  
**WATER PERMIT NO. 7506-3**

Date of first receipt of application November 9, 2012.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7506-3 to Larry or Steven Knutson, 515 Northridge Rd, Estelline SD 57234 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. 7506-3 appropriates 1.78 cubic feet of water per second from one well to be completed into the Big Sioux:Brookings Aquifer (50 feet deep) located in NW 1/4 SE 1/4 Section 30 for irrigation of 152 acres located in the SE 1/4 Section 30; all in T113N-R51W.
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: May 1 – September 30.
3. The date from which applicant may claim right is November 9, 2012.
4. The date of approval of Permit No. 7506-3 is February 4, 2013.
5. One-fifth of the construction is to be completed on or before August 4, 2015.
6. All construction is to be completed on or before February 4, 2018.
7. Water is to be put to beneficial use on or before February 4, 2022.
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. 7506-3 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.

**WATER MANAGEMENT BOARD**

By: Garland Erbele

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

MAR 28 2013  
date



## Supplemental Information

(type or print)

### 1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 1 Have test holes been drilled ☒ Yes ☐ No Drilled by Lacey Drilling  
(if yes, please provide copies of logs)
- b) If existing wells, how many      Provide copy of log(s), if available. Drilled by
- c) Well Depth 50ft Depth to Top of Water Bearing Material 16 Depth to Water from Surface 18ft
- d) Distance to nearest existing domestic well:  
On applicant's property 0 On property owned by others 2300ft

### 2. Wastewater Disposal System Information

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

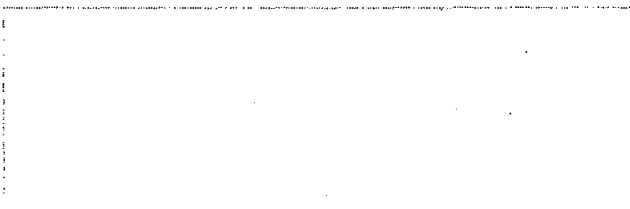
### 3. Dugout Information

- 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 (e.g. 3 to 1 is a typical slope)  
Upstream       
Downstream
- h) Surface Area of Impoundment
- i) Storage      Acre Feet
- j) Drainage Area Above Dam      Acres



PPLS: 30\_113N\_51W

Data use subject to license.

© DeLorme. XMap® 7.

www.delorme.com

*Hamlin County*

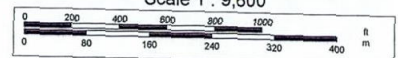


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Scale 1 : 9,600



1" = 800.0 ft

Data Zoom 14-4

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Test Hole

Larry Knutson  
515 North Ridge Rd.  
Estelline, So Dak. 57234

SE  $\frac{1}{4}$  sec 30

113-51W

0-16 Sand-Gravel  
16-CLAY  
16-24 Fine Sand  
24-30 Gravel  
SWL-18'

Drilled by Lacey Well Drilling

Driller Joan Redder Lacey  
Joan Redder Lacey

Lic No. 111

# RECEIPT

## WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 11/9, 20 12

RECEIVED OF Larry Knutson 515 Northridge RE Estelline SD 57234

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

|                                                                                                                        |       |         |
|------------------------------------------------------------------------------------------------------------------------|-------|---------|
| Fee for Application for Permit No. <u>7506-3</u> to Appropriate Water, to construct and to put water to beneficial use | 850   | 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. <u>7506-3</u>            | 200   | 00      |
| 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 | 1050 00 |

No. 05684

By

Leland E. Eide  
Chief Engineer



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT  
APPLICATION NO. 7506-3, Larry or Steve Knutson**

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. 7506-3, Larry or Steve Knutson, 515 Northridge Road, Estelline SD 57234.

The Chief Engineer is recommending APPROVAL of Application No. 7506-3 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) 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. 7506-3 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.

See report on application for additional information.

Garland Erbele, Chief Engineer  
January 15, 2013

REPORT TO THE CHIEF ENGINEER  
ON  
WATER PERMIT APPLICATION NO.7506-3  
LARRY OR STEVE KNUTSON  
JANUARY 15, 2013

Water Permit Application No. 7506-3 proposes to appropriate up to 304 acre-feet (ac-ft) annually at a maximum diversion rate of 1.78 cubic feet of water per second (cfs) from one well to be completed into the Brookings management unit of the Big Sioux aquifer. The well is expected to be approximately 50 feet deep and is to be located in the NW ¼ SE ¼ Section 30 for the irrigation of 152 acres located in the SE ¼ Section 30; all in T113N-R51W in Hamlin County.

**AQUIFER: Brookings management unit of the Big Sioux aquifer (BS: B)**

**GEOLOGY AND AQUIFER CHARACTERISTICS:**

The Big Sioux: Brookings is a predominantly surficial outwash aquifer that is primarily under water table conditions in the area of this application (Koch, 1980). The Big Sioux: Brookings extends south from Hamlin County into Brookings County, and east into Deuel County. The aquifer underlies approximately 191,100 acres and contains an estimated 642,230 ac-ft of recoverable water in storage with 88,500 acres underlying and 331,880 ac-ft of water in Hamlin County (Hedges et. al, 1982). The aquifer is hydraulically connected to area lakes, streams, and the Big Sioux River (Kume, 1985). Kume (1985) estimated that Big Sioux: Brookings has an average thickness of 30 feet and can be encountered at generally less than 50 feet below ground surface. Kume (1985) also stated that wells completed into the Big Sioux: Brookings aquifer could yield in excess of 1,000 gpm of water that is suitable for irrigation. The test hole log submitted with this application indicated sand and gravel from ground surface to 16 feet below grade, one foot of clay at 16 feet below grade and then fine sand from 16 to 24 feet below grade and gravel from 24 to 50 feet below grade. The static water level in the test hole was 18 feet below grade on October 29, 2012.

**SDCL 46-2A-9**

Pursuant to SDCL 46-2A-9, a permit to appropriate water may be issued only if there is reasonable probability that there is unappropriated water available for the applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and existing rights from the aquifer.

**WATER AVAILABILITY:**

Water Permit Application No. 7506-3 proposes to appropriate up to 304 ac-ft/yr from the Big Sioux: Brookings aquifer. Although the actual water use if this application is approved will most likely be less than 304 ac-ft/yr. The probability of unappropriated water available from an aquifer can be evaluated by considering SDCL 46-6-3.1 which requires "No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source.

## **Recharge versus Discharge:**

### *Recharge:*

Recharge to the Big Sioux: Brookings is by infiltration of precipitation, and seepage from the Big Sioux River and its tributaries (Kume, 1985). Koch (1980) estimated a recharge rate of 6.57 inches per year (48,454 ac-ft/yr for Hamlin County) and Kume (1985) estimated an average annual recharge of 48,531 ac-ft/yr for the Big Sioux: Brookings aquifer in Hamlin and Deuel Counties.

### *Discharge:*

The Big Sioux: Brookings natural discharge is through seepage to the Big Sioux River and its tributaries during periods of low flow and stage, and evapotranspiration (Koch, 1980). There are 106 water rights/permits appropriating water, four future use permits reserving water from the Big Sioux: Brookings aquifer in Hamlin County, and several pending water permits (Water Rights, 2013b). The amount of water that can be expected to be withdrawn through water rights/permits authorizing water use for non-irrigation purposes at the current appropriation level can be estimated by assuming: 1) water rights/permits limited by an annual volume will pump the entire volume appropriated (1,990 ac-ft/yr), 2) water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate 60 percent of the time (3,171 ac-ft/yr), and 3) future use permits can be fully developed (883 ac-ft/yr).

Table 1 shows the irrigation withdrawal from the Big Sioux: Brookings aquifer in Hamlin County. Maximum estimated annual withdrawal from the Big Sioux: Brookings in Hamlin County by all appropriations is expected to total less than 14,225 ac-ft at the current appropriation amount. This is much less than estimated average annual recharge. The additional withdrawal from the pending water permits will not increase the total water use so much that it exceeds average annual recharge. Therefore, there is a reasonable probability that unappropriated water is available from the Big Sioux: Brookings aquifer for this proposed appropriation.

| Year       | No. of Permits Reporting | Appropriation (ac-ft) | Pumpage (ac-ft) |
|------------|--------------------------|-----------------------|-----------------|
| 2011       | 85                       | 30544                 | 4927.3          |
| 2010       | 84                       | 30304                 | 1681.63         |
| 2009       | 80                       | 29384                 | 3986.48         |
| 2008       | 75                       | 28037.2               | 5934.02         |
| 2007       | 73                       | 27571.2               | 5702.96         |
| 2006       | 69                       | 26687.2               | 6807.48         |
| 2005       | 68                       | 26573.2               | 5626.58         |
| 2004       | 66                       | 26093.2               | 6106.78         |
| 2003       | 59                       | 24353.2               | 5554.05         |
| 2002       | 60                       | 24623.2               | 5620.65         |
| 2001       | 60                       | 24623.2               | 3751.65         |
| 2000       | 62                       | 25634.2               | 3778.59         |
| 1999       | 62                       | 25646.2               | 3262.16         |
| 1998       | 63                       | 26410.2               | 2908.97         |
| 1997       | 61                       | 25867.7               | 2209            |
| 1996       | 61                       | 25867.7               | 3624.86         |
| 1995       | 66                       | 26997.7               | 2273.54         |
| 1994       | 65                       | 26997.7               | 915.94          |
| 1993       | 67                       | 28013.7               | 746.5           |
| 1992       | 67                       | 27621.7               | 1289.6          |
| 1991       | 67                       | 27732.7               | 4332.54         |
| 1990       | 76                       | 32927.08              | 3352.82         |
| 1989       | 69                       | 31952.4               | 7536.6          |
| 1988       | 64                       | 31575.4               | 8181.4          |
| 1987       | 62                       | 31060.9               | 4430.5          |
| 1986       | 64                       | 33206.9               | 1453.82         |
| 1985       | 65                       | 33462.9               | 1676.4          |
| 1984       | 65                       | 33721.9               | 3948.1          |
| <b>Min</b> | <b>59</b>                | <b>24353.2</b>        | <b>746.5</b>    |
| <b>Max</b> | <b>85</b>                | <b>33721.9</b>        | <b>8181.4</b>   |
| <b>Avg</b> | <b>67.3</b>              | <b>28338.9</b>        | <b>3986.5</b>   |

Table 1- Irrigation Water Use from the Big Sioux: Brookings in Hamlin County (Water Rights 1979-2012).

#### Observation Well Data:

Administrative Rule of South Dakota Section 74:02:05:07 requires that “the Water Management Board shall rely upon the record of observation well measurements to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.”

The DENR-Water Rights Program monitors 80 observation wells completed into the Big Sioux: Brookings aquifer with 25 located in Hamlin County (Water Rights, 2013a). The nearest observation wells are HN-77G, and HN-76A. Water levels in the observation wells show response to climatic conditions. The water levels rise (recharge) during wet years and gradually decline during dry years. The hydrographs show the effects of pumping, but it does not appear to be significant over the period of record. The climatic effects on water level greatly mask the temporal impacts of well withdrawal. Therefore, recharge to and natural discharge from the Big Sioux: Brookings aquifer significantly exceeds pumping. Recognizing that natural discharge can be captured, there is a reasonable probability that unappropriated water is available for this proposed appropriation. Figures 1 and 2 show the hydrographs for observation wells HN-77G, and HN-76A, respectively.

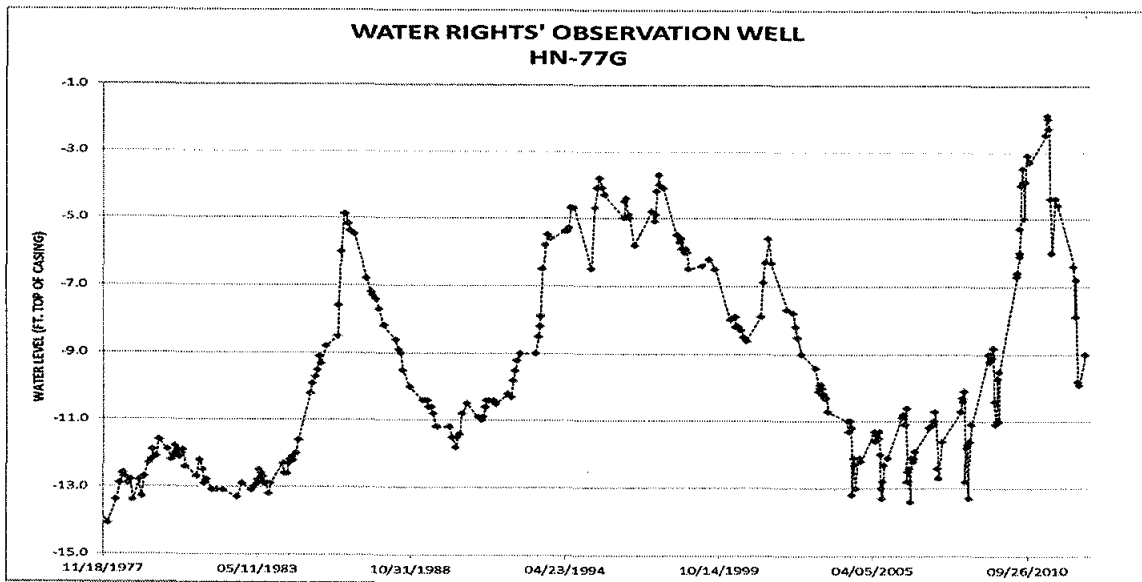


Figure 1- Hydrograph of DENR-Water Rights' observation well HN-77G, 0.7 miles northwest of the proposed well site (Water Rights, 2013a)

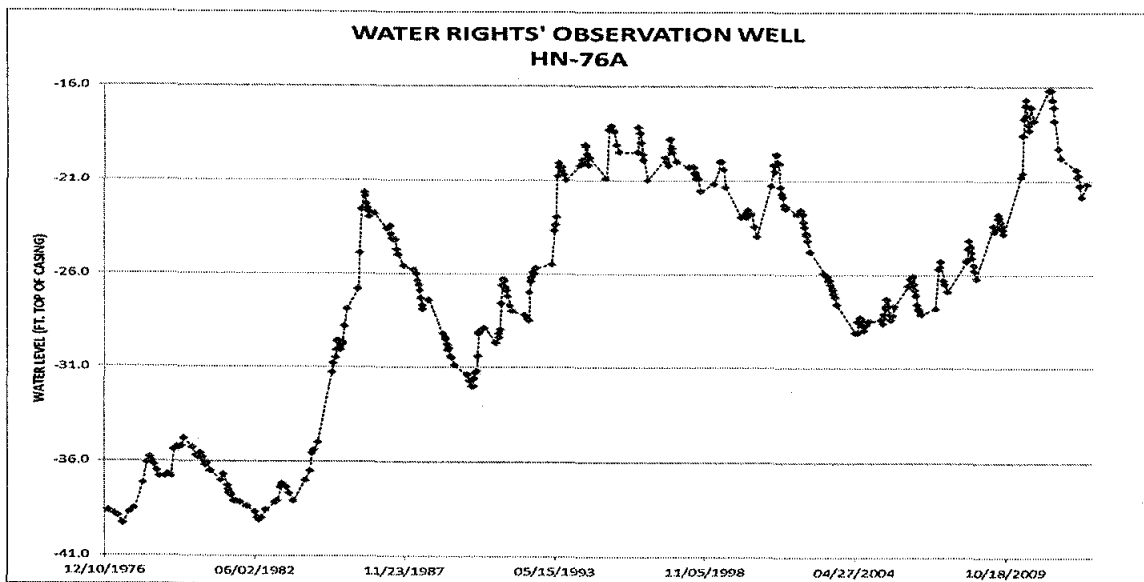


Figure 2- Hydrograph of DENR-Water Rights' observation well HN-76A, 1.9 miles southwest of the proposed well site (Water Rights, 2013a)

#### EXISTING WATER RIGHTS:

There are six water rights/permits authorizing wells and several domestic wells on file with the DENR-Water Rights Program within approximately two miles of the proposed well site (Water Rights, 2013b and 2013c). Within one mile of the proposed well site, there are three water right/permits (Water Right/Permit Nos. 6409-3, 6411-3, and 6412-3), and five domestic wells on file with the DENR-Water Rights Program. Table 2 shows the water rights/permits and the future use permits within approximately two miles from the proposed well site. The closest well is approximately 0.3 miles away from the proposed well site.

| Permit No.                                                                                    | Name                | Status | Type | CFS  | Acres |
|-----------------------------------------------------------------------------------------------|---------------------|--------|------|------|-------|
| 5299-3                                                                                        | Randall R. Callesen | LC     | IRR  | 1.78 | 268   |
| 5300-3                                                                                        | Rex Schwartz        | LC     | IRR  | 1.78 | 132   |
| 6409-3                                                                                        | Ronald Jongeling    | LC     | IRR  | 1.78 | 132   |
| 6411-3                                                                                        | Brad Jongeling      | LC     | IRR  | 1.78 | 132   |
| 6412-3                                                                                        | Todd Jongeling      | LC     | IRR  | 1.78 | 132   |
| 6745-3                                                                                        | Kenneth Hansen      | PE     | COM  | 0.11 | N/A   |
| LC = Water Right, FU= Future Use Permit, PE = Water Permit, IRR = Irrigation, COM= Commercial |                     |        |      |      |       |

Table 2 – Water Rights/Permits within approximately two miles of the proposed well site (Water Rights, 2013b)

Assuming a transmissivity range of 13,000 to 43,000 ft<sup>2</sup>/day and a storage coefficient of 0.15 (Kume, 1985), the drawdown created at one-half of a mile from the proposed well is estimated to range from 0.82 feet to 1.65 feet using the Theis Equation (icalcul8, 2013). That drawdown estimate assumes continuous pumping for 185 days at the maximum allowed pump rate of 1.78 cfs (800 gallons per minute). That drawdown will not be significant in an adequate well. An adequate well is defined in ARSD 74:02:04:20(6). The hydrographs show that the impacts of pumping have not been adverse over the period of record. The minimal drawdown and interference from pumping high capacity wells is clearly shown by figures 1 and 2. Therefore due to the distance between wells and the low drawdown created by pumping high capacity wells, there is a reasonable probability that this proposed diversion can be made without adversely impacting existing appropriative or domestic users.

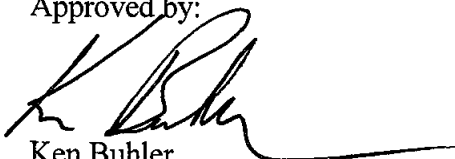
#### CONCLUSIONS:

1. Water Permit Application No. 7506-3 proposes to appropriate 304 acre-feet annually for the irrigation of 152 acres at a maximum diversion rate of 1.78 cfs.
2. There is a reasonable probability that unappropriated water is available from the Big Sioux: Brookings aquifer to supply this proposed diversion.
3. There is a reasonable probability that the diversion requested by this application can be made without adversely affecting existing water rights or domestic users.



Adam Mathiowetz  
SD DENR-Water Rights Program

Approved by:



Ken Buhler  
SD DENR-Water Rights Program

## REFERENCES:

- Hedges, L.S., S.L. Burch, D.L. Iles, R.A. Barari, and R.A. Schoon. 1982. Evaluation of Ground-water Resources in Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa. Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185
- icalcul8. 2013. < <http://www.icalcul8.com/theis.php>>. Accessed: January 03, 2013.
- Koch, N.C. 1980. Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota. Water-Resources Investigations Report 80-100. USGS, Huron, SD.
- Kume, J. 1985. Water Resources of Deuel and Hamlin Counties, South Dakota. Water-Resources Investigations Report 84-4069. USGS, Huron SD.
- Water Rights. 1979-2012. "1979-2011 Irrigation Summaries by Aquifer": SD DENR-Water Rights Program, Joe Foss Building, Pierre, SD.
- Water Rights. 2013a. Observation Well Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights. 2013c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.

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JAN 25 2013

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## PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA )  
County of Hamlin ) SSI, LeeAnne Dufekcertify that the attached printed Notice was  
takenfrom the Estelline Journalprinted and published in EstellineCounty of Hamlin andstate of South Dakota. The notice was  
published

in the newspaper on the following date:

Jan. 23, 2013Cost of Printing \$22.44LeeAnne Dufek  
(Signature)Publisher  
(Title)1-23-13  
(Date Signed)NOTICE OF APPLICATION  
NO. 7506-3 TO  
APPROPRIATE WATER

Notice is given that Larry or Steve Knutson, 515 Northridge Rd, Estelline SD 57234 have filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Big Sioux-Brookings Aquifer (50 feet deep) located in NW 1/4 SE 1/4 Section 30 for irrigation of 152 acres located in the SE 1/4 Section 30; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7506-3 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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to

the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation 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 February 4, 2013.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published Jan. 23, 2013, at total cost of \$22.44.

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FEB - 4 2013

Affidavit of Publication

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10/

State of South Dakota

ss

County of Brookings

Chaylee Duis of said county, first duly sworn, on oath, says: That she is the office clerk of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed that the

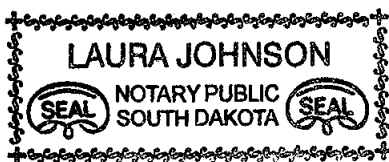
Leg#929 Notice #7506-3-Knutson

same was published, is hereto attached marked Exhibit said newspaper for \_\_\_\_\_ 1 times, to-wit:

January 23, 2013

said Exhibit "A" inures to the sole benefit for the publishers of said newspaper; 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; that the fees charged for the publication thereof are:

twenty-two dollars and sixty-nine cents \$22.69



*Laura Johnson*

24th day of

2013

January

*Chaylee Duis*

Notary Public in and for the County of Brookings, South Dakota.  
My Commission expires August 3, 2017.

Exhibit "A"

Legal 929, 1x, 1/23  
NOTICE OF APPLICA-

TION NO. 7506-3 to  
Appropriate Water  
Notice is given that  
Larry or Steve Knutson,  
515 Northridge Rd,  
Estelline SD 57234  
have filed an application  
for a water permit to  
appropriate 1.78 cubic  
feet of water per second  
from one well to be com-  
pleted into the Big  
Sioux Brookings  
Aquifer (50 feet deep)  
located in NW 1/4 SE  
1/4 Section 30 for irriga-  
tion of 152 acres located  
in the SE 1/4 Section  
30; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7506-3 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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition. Any person interested in opposing or supporting this application or recommendation 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 February 4, 2013. 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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of \$22.69.



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov

January 15, 2013

Estelline Journal  
PO Box 159  
Estelline SD 57234

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7506-3 to Appropriate Water. Please publish the notice once on January 23, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Larry or Steve Knutson, 515 Northridge Rd., Estelline SD 57234 (Ph # 605-873-2603).

**Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.**

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



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov

January 15, 2013

Brookings Register  
PO Box 177  
Brookings SD 57006

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7506-3 to Appropriate Water. Please publish the notice once on January 23, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Larry or Steve Knutson, 515 Northridge Rd., Estelline SD 57234 (Ph # 605-873-2603).

**Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.**

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



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
denr.sd.gov

NOTE: TO BE SURE OF PUBLICATION ON  
THE CORRECT DATE, CONTACT  
THE NEWSPAPER(S) RIGHT AWAY.

January 15, 2013

Larry or Steve Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Mssrs. Knutson:

Water Permit Application No. 7506-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Estelline Journal printed at Estelline SD (Ph # 605-873-2475) and the Brookings Register printed at Brookings SD (Ph # 605-692-6271). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and 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(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. 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.

Instruction to Newspaper - Publish the Notice on January 23, 2013. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

---

NOTICE OF APPLICATION NO. 7506-3 to Appropriate Water

Notice is given that Larry or Steve Knutson, 515 Northridge Rd, Estelline SD 57234 have filed an application for a water permit to appropriate 1.78 cubic feet of water per second from one well to be completed into the Big Sioux-Brookings Aquifer (50 feet deep) located in NW 1/4 SE 1/4 Section 30 for irrigation of 152 acres located in the SE 1/4 Section 30; all in T113N-R51W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7506-3 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 this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation 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 February 4, 2013.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.  
Published once at the total approximate cost of \_\_\_\_\_.



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

Larry or Steven Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Sirs:

Enclosed is Water Permit No. 7506-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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 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

Date:



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 24, 2014

NOTICE

TO: LARRY KNUTSON, 515 NORTHRIDGE RD, ESTELLINE, SD 57234

FROM: Ron Duvall, Natural Resources Engineer  
for Garland Erbele, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2013 Irrigation Questionnaire(s)

Our records indicate that the 2013 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7506-3. The request for the Questionnaire was dated October 18, 2013. The Water Management Board has directed that owners of water permits who have not submitted the 2013 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) 7506-3 qualification:

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

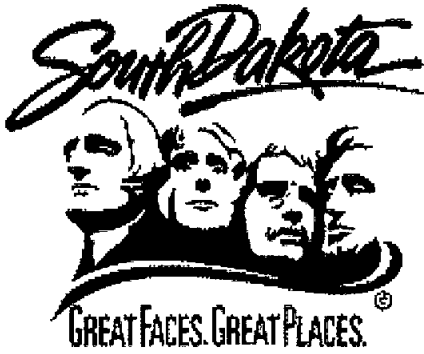
The hearing will be held at **9:00 am, March 6, 2014** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According 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) 7506-3 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 on/or before **March 3, 2014**, 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 Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

**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 ENVIRONMENT  
and NATURAL RESOURCES**

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523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.denr.sd.gov](http://www.denr.sd.gov)

February 20, 2014

7506-3

Larry Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Mr. Knutson:

I am writing to acknowledge receipt of your 2013 irrigation questionnaire.

You may disregard the January 24, 2014, "Notice" concerning reporting requirements for Water Permit No. 7506-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "Genny McMath". The signature is written in a cursive, flowing style.

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



7506-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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PMB 2020  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 15, 2016

NOTICE

TO: LARRY KNUTSON, 515 NORTHRIDGE RD, ESTELLINE, SD 57234  
FROM: Ron Duvall, Natural Resources Engineer  
for Jeanne Goodman, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2015 Irrigation Questionnaire(s)

Our records indicate your 2015 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7506-3. The request for the Questionnaire was dated October 23, 2015. The Water Management Board has directed that owners of water permits who have not submitted the 2015 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) 7506-3 qualification:

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

The hearing will be held at **Thursday, March 3, 2016 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) 7506-3 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 3, 2016** 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 Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

**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 ENVIRONMENT  
and NATURAL RESOURCES**

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 3, 2016

7506-3

Larry Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Mr. Knutson:

I am writing to acknowledge receipt of your 2015 irrigation questionnaire.

You may disregard the January 15, 2016, "Notice" concerning reporting requirements for Water Permit No. 7506-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Genny McMath".

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



7506-3  
DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

January 23, 2020

NOTICE

TO: LARRY KNUTSON, 515 NORTHRIDGE RD, ESTELLINE, SD 57234  
FROM: Ron Duvall, Natural Resources Engineer  
for Jeanne Goodman, Chief Engineer  
Water Rights Program

SUBJECT: Reporting Requirement for 2019 Irrigation Questionnaire(s)

Our records indicate your 2019 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7506-3. The request for the Questionnaire was dated October 18, 2019. The Water Management Board has directed that owners of water permits who have not submitted the 2019 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) 7506-3 qualification:

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

The hearing will be held at **Wednesday, February 26, 2020 at 8:30 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) 7506-3 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 **February 26, 2020** 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 Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). **If you prefer, you can complete the questionnaire online at the following link: <https://denr.sd.gov/iq> using this password: NLCRIF**

**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.

7506-3



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE SOUTH DAKOTA 57501-3182  
[www.denr.sd.gov](http://www.denr.sd.gov)

January 29, 2020

7506-3

Larry Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Mr. Knutson:

I am writing to acknowledge receipt of your 2019 irrigation questionnaire.

You may disregard the January 23, 2020, "Notice" concerning reporting requirements for Water Permit No. 7506-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Genny McMath'.

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

## Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7506-3

I have this day, April 27, 2022, made a thorough examination of the water use system constructed by Larry or Steve Knutson 515 Northridge Rd, Estelline, SD 57234 of Permit No. 7506-3, bearing the priority of November 9, 2012 authorizing the diversion of 1.78 cu. ft. per second of the waters of the Big Sioux-Brooking Aquifer for irrigation purposes, in Hamlin County.

### A. Works used to divert the water:

#### Well Information:

- 1) Well Drilling Firm: Steffl Drilling & Pump, Inc
- 2) No. of Wells 1
- 3) Depth 50 feet
- 4) Well log is available Y

#### Casing:

- 1) Diameter 14 inches
- 2) Length 38 feet
- 3) Type Plastic

#### Screen:

- 1) Type Stainless steel
- 2) Length 12 feet
- 3) Static water level 12 feet

#### Pump:

- 1) Make Submersible
- 2) Model & size unknown
- 3) Capacity 700 GPM

Motor: unknown

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

- 1) Type Underground PVC
- 2) Size 8 inches
- 3) Length 1630 feet

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

#### Center pivot:

- 1) Make Valley
- 2) Overall length 1300 feet
- 3) Number of towers 7
- 4) End gun Y
- 5) Capacity 700 GPM

**Chemigation Equipment:** Uses commercially available equipment

**D. 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 are: None

**E. Condition and Location:**

1. The system is in good condition with the point of diversion located as follows: well location 2640 ft N 2375 ft W SE corner, Sec 30 T113N R51W, Lat 44.5651 Long -96.9959 (NW ¼ SE ¼).
2. The works are capable of diverting and conveying to the place of use 1.56 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

**All acres in Sec 30 T113N R51W**

**NW ¼ SE ¼ – 33.5 acres**

**NE ¼ SE ¼ – 33.5 acres**

**SE ¼ SE ¼ – 33.5 acres**

**SW ¼ SE ¼ – 33.5 acres**

comprising a total of 134 acres of land and the license should be issued for 1.56 cfs

3. All structures, wells and lands on map Y

**F. Comments associated with the project:**

**Contacted Larry Knutson at 605/691-6346 on April 27, 2022 for irrigation system information. His home mailing address and telephone number as found in the permit materials are correct.**

**The irrigated acreage was determined with the aid of FSA imagery and ArcMAP software.**



Darrell W DeBoer  
Water Rights Inspector  
DANR, Water Rights Program

Date report completed: April 29, 2022

WELL LOCATION  
2640 ft N 2375 ft W SE corner  
Sec 30 T113N R51W  
Lat 44.5651 Long -96.9959

WELL LOCATION

CENTER SEC 30  
T113N R51W

TOTAL IRRIGATED AREA = 134 ACRES

NW/SE  
33.5 ACRES

NE/SE  
33.5 ACRES

SW/SE  
33.5 ACRES

SE/SE  
33.5 ACRES

SEC 29  
T113N R51W

REFERENCE CORNER

SEC 31  
T113N R51W

SEC 32  
T113N R51W



0 0.05 0.1 0.2 0.3 0.4 Miles



Darrell DeBoer  
Water Right Inspector  
DANR-Water Rights Program



**DEPARTMENT of AGRICULTURE  
and NATURAL RESOURCES**

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

MAY 05 2022

7506-3

Larry or Steve Knutson  
515 Northridge Rd  
Estelline SAD 57234

Dear Sirs:

Enclosed is Water License No. 7506-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if in the future, the owner of an existing well, 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, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

Eric Gronlund, Chief Engineer  
Water Rights Program  
(605) 773-3352

enclosures

# STATE OF SOUTH DAKOTA

## WATER LICENSE NO. 7506-3

(1) Larry or Steve Knutson, 515 Northridge Rd, Estelline SD 57234 made Application No. 7506-3, November 9, 2012, for a water permit to divert 1.78 cubic feet of water per second from ground water, one well (Big Sioux Brookings Aquifer), Hamlin County, South Dakota for irrigation purposes. Water Permit No. 7506-3, with a priority date of November 9, 2012, was approved February 4, 2013 and issued to the applicants for diversion of water with construction of the described water supply system to be completed on or before February 4, 2018 and for the application to beneficial use of water on or before February 4, 2022.

(2) It is certified that the permit holders have complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and are entitled to divert 1.56 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 2,640' N and 2375' W of the SE corner, Section 30, T113N, R51W (NW ¼ SE ¼)  
Latitude 44.5651, Longitude -96.9959

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

|                         |           |             |
|-------------------------|-----------|-------------|
| Section 30, T113N, R51W | NW ¼ SE ¼ | 33.5 acres  |
|                         | NE ¼ SE ¼ | 33.5 acres  |
|                         | SE ¼ SE ¼ | 33.5 acres  |
|                         | SW ¼ SE ¼ | 33.5 acres  |
| Total                   |           | 134.0 acres |

(4) Pursuant to South Dakota Water Law 46-5-30.1 Larry or Steve Knutson, 515 Northridge Rd, Estelline SD 57234 the holders and/or owners of Water Right No. 7506-3 are issued a license to appropriate water, the right to use 1.56 cubic feet of water per second from ground water, one well (Big Sioux Brookings Aquifer) with a priority date of November 9, 2012 from the location specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7506-3 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 water right 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. 7506-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with the 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. *The well was drilled in April 2013 by Steffl Drilling & Pump Inc. A copy of the well completion report is on file with the Water Rights Program.*

- This Water Right is approved subject to the irrigation water use questionnaire being submitted each year.

*Eric Gronlund*

Eric Gronlund, Chief Engineer  
Water Rights Program  
Department of Agriculture and Natural Resources

MAY 05 2022

date





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

January 20, 2023

### NOTICE

TO: LARRY KNUTSON, 515 NORTHRIDGE RD, ESTELLINE, SD 57234

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

SUBJECT: Reporting Requirement for 2022 Irrigation Questionnaire(s)

Our records indicate your 2022 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7506-3. The request for the Questionnaire was dated October 21, 2022. The Water Management Board has directed owners of water permits who have not submitted the 2022 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) 7506-3 qualification:

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

The hearing will be held at **Wednesday, March 8, 2023 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) 7506-3 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 8, 2023** 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 Genny McMath at (605) 773-3352 or email at [genny.mcmath@state.sd.us](mailto:genny.mcmath@state.sd.us). **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: VDVMQB**

**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 23, 2023

7506-3

Larry Knutson  
515 Northridge Rd  
Estelline SD 57234

Dear Mr. Knutson:

I am writing to acknowledge receipt of your 2022 irrigation questionnaire.

You may disregard the January 20, 2023, "Notice" concerning reporting requirements for Water Right No. 7506-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

If you have any questions, please contact me.

Sincerely,

Genny McMath  
Water Rights Program  
605 773-3352  
Genny.mcmath@state.sd.us



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

January 19, 2024

## NOTICE

TO: LARRY KNUTSON, 515 NORTHRIDGE RD, ESTELLINE, SD 57234

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

SUBJECT: Reporting Requirement for 2023 Irrigation Questionnaire(s)

Our records indicate your 2023 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 7506-3. The request for the Questionnaire was dated October 20, 2023. The Water Management Board has directed owners of water permits who have not submitted the 2023 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) 7506-3 qualification:

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

The hearing will be held at **Wednesday, March 6, 2024 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) 7506-3 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 6, 2024** 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](mailto: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: XAXUPS**

**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 9, 2024

Larry Knutson  
515 Northridge Rd  
Estelline SD 57234

7506-3

Dear Mr. Knutson:

I am writing to acknowledge the receipt of your 2023 irrigation questionnaire(s).

You may disregard the January 19, 2024, "Notice" concerning the reporting requirements for Water Permit No(s). 7506-3. The information was received prior to the March 6, 2024, Water Management Board meeting and this permit number has been removed from the agenda.

If you have any questions, please contact me.

Sincerely,

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