

Considered: _____

WATER PERMIT NO. 5676-3

Phone: 543-5500

Name of Applicant: Tri-Valley School District No. 49-6

Post Office Address: Box 8, Lyons SD 57041

Amount of Water Claimed: 0.085 (38 gpm) Total Acres: 6

Source of Water Supply: groundwater

Water to be used for: irrigation County: Minnehaha

About 8 miles North, 7 West of Sioux Falls

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

F.F. & C/.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY Date Received: 5-6-92 Fee: \$50 Remarks same well as

used for Water Permit No. 5676-3

Corrected Application Received 5-18-92 Period of Annual Use June 1- October 31

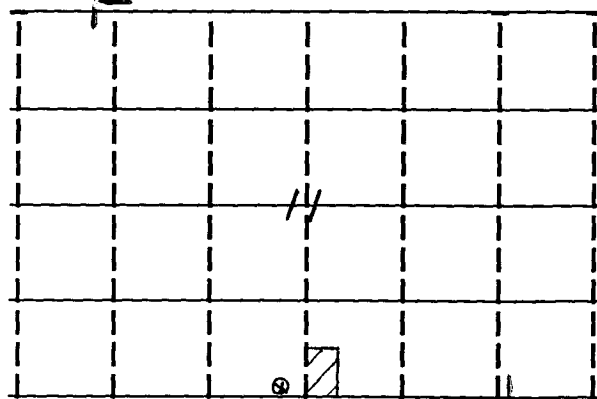
WATER QUALITY APPROVAL RECEIVED 6-19-92 APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES X NO _____ REMARKS _____

Diversion Point: SE 1/4 SW 1/4 Sec 11-T103N-R51W

Land to be Irrigated: _____

SW 1/4 SE 1/4 Sec 11-T103N-R51W



Well Log: Driller: Lacey Well Drilling Licensed YES X NO _____

Depth of Well: 50' REMARKS _____

Type of Map: aerial PREPARED BY: Greg Johnston Reviewed and the Number

Assigned on 6-22-92 By Karen Schlaak



No. 5676-3 Hydrologic Unit 10170203
Basin BIG SIOUX
Newspaper Argus Leader, PO Box 5034, SF

Application For Soil/Water Compatibility Permit and Permit To Appropriate Water

- Type of Application: ☒ New ☐ Vested Right ☐ Amend Permit No. See No. 5104-3
- ☐ Change Acreage ☐ Change diversion point(s) ☐ Add diversion point(s)
- ☐ Add Acreage ☐ Increase diversion rate ☐ Other 543-5500
- Name of Applicant Tri-Valley School District No. 49-6 Phone No. 543-5500
 - Post Office Address Box 8 Lyons State SD 57041
(Street, RR or Box) (City) Zip Code
 - Amount of water claimed (c.f.s) 0.085 (389pm) Total acres irrigated ~ 4 6 acres
 - Source of Water supply Groundwater
 - Location of point of diversion 722 feet west and 60 feet north of the south quarter (S 1/4) corner of Section 11, Township 103 North, Range 51 WEST of the 5th Principal Meridian, Minnehaha County, South Dakota SE 1/4 SW 1/4 County Minnehaha
 - Counties where water will be used Minnehaha
 - Annual period during which water is to be used June 1 - October 31
 - List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.
<u>SW 1/4 SE 1/4 Sec 11-103N-51W</u>	<u>6</u>

Land Description	No. Acres Irr.

Attach sheet if more space is needed 1 sprinkler-200 ft of hose, 1" inside diameter Other: _____

- Type of Irrigation: Gravity: _____ Towline: _____ Center Pivot: _____ Gun: _____ (Specify) X
- Crops to be Irrigated: None- Grass
- Give a description of proposed project. (Attach sheet if more space is needed)
The purpose of this request is to provide water for the football field. Normally the watering period will start during the month of July, depending on the rainfall and continue through the month of August. Some watering may take place in the first part of September.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach maps, soil information and any other technical information.

STATE OF SOUTH DAKOTA)
County of Minnehaha)^{ss}

I, Frank Ashmore, the applicant, certify that I have read this application and examined the attached maps, that the water sample, if needed, has been taken by the required procedures and has not been adulterated or tampered with and is truly representative of the water to be used, and that the matters stated in this application are true and correct.

Signed Frank Ashmore
Subscribed and sworn to before me this 4th day of May 1992
Camera Kopping
Notary Public
MCE: 7-31-96



**SOUTH DAKOTA
WATER PERMIT No. 5676-3 FOR IRRIGATION**

Date of first receipt of application May 6, 1992.

Date Soil/Water Compatibility Permit received June 19, 1992.

Date of return to applicant for corrections, amendments or changes May 13, 1992.

Date of receipt of corrected application May 18, 1992.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 5676-3 to Tri-Valley School District No. 49-6, Box 8, Lyons SD 57041 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. 5676-3 appropriates 0.085 cubic feet of water per second (38 gallons per minute) from one existing well (Big Sioux-Middle Skunk Creek) 50 feet deep located in the SE 1/4 SW 1/4 Section 11 to irrigate 6 acres (football field) located in the SW 1/4 SE 1/4 Section 11; all in T103N-R51W. Water Permit No. 5104-3 which appropriates 0.10 cfs from this existing well for institutional and domestic use has been cancelled due to non-use.
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: June 1 - October 31.
3. The date from which applicant may claim right is May 6, 1992.
4. The date of approval of Permit No. 5676-3 is September 30, 1992.
5. 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. This permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

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

MAR 12 1993

date

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

413211

Pierre, May 13, 19 92

RECEIVED OF Tri-Valley School District No. 49-6, Lyons, SD 57041

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

Fee for Application for Permit No. <u>5676-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	150	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 Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	150 00

By

Chief Engineer

John Hatch
(Signature)

PAYMENT REQUEST FORM

PAYEE: Frank Ashmore
Tri-Valley School Dist. No. 49-6
Box 8
Lyons, SD 57041

FROM: DENR
Water Rights Division
532 E. Capitol
Pierre, SD 57501-3181

DESCRIPTION OF SERVICE, PRODUCT OR TRANSFER

The school originally paid \$150.00 for application filing fee, but since the school is using less than 50 gallons per minute, the application filing fee is only \$50.00. After the permit application has been approved, the water license will be issued, which is an fee of \$50.00; therefore, the remaining \$50.00 will be refunded.

AMOUNT: \$50.00

FUNDING SOURCE:

GENERAL:

FEDERAL:

COMMENTS:

AUTHORIZATION: _____

John H. Bates

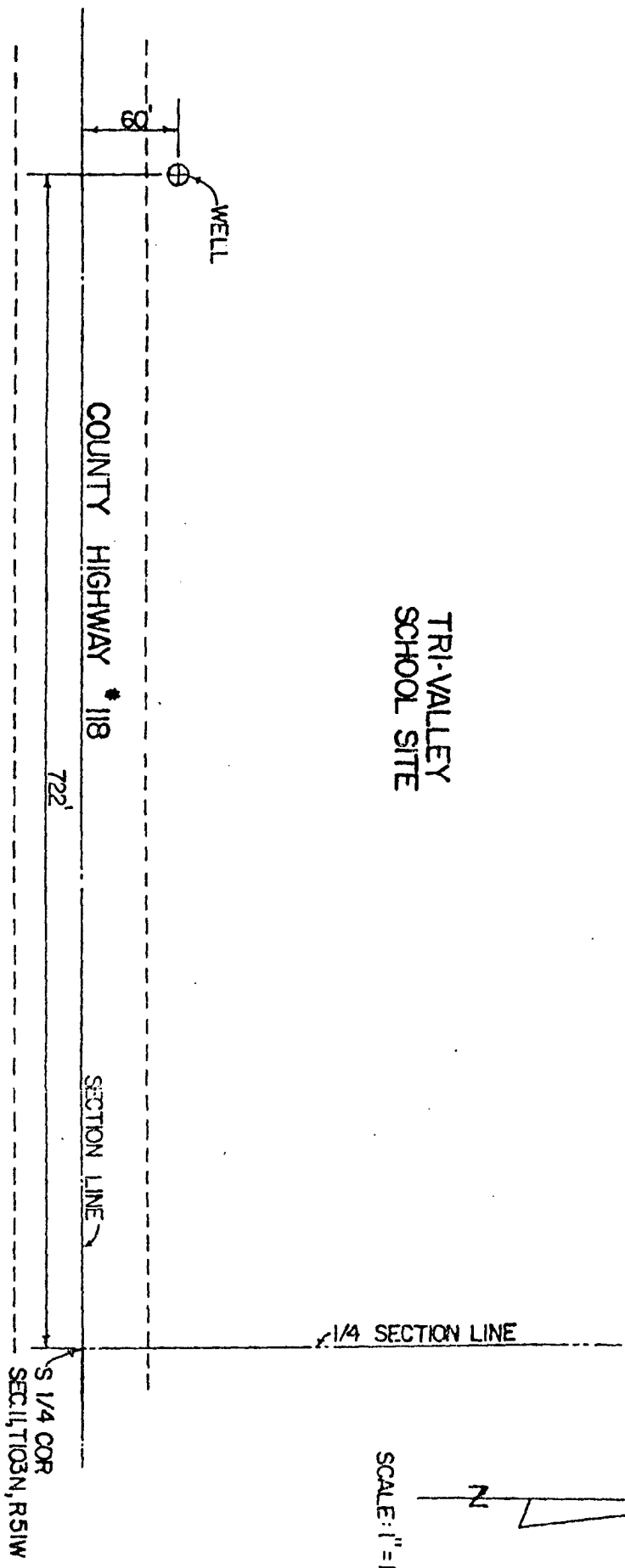
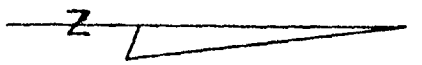
8-28-92

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federally assisted program



TRI-VALLEY
SCHOOL SITE

SCALE: 1" = 100'



DESCRIPTION

722 FEET WEST AND 60 FEET NORTH OF THE SOUTH QUARTER (S $\frac{1}{4}$) CORNER OF SECTION 11, TOWNSHIP 103 NORTH, RANGE 51 WEST OF THE 5TH PRINCIPAL MERIDIAN, MINNEHAHA COUNTY, SOUTH DAKOTA.

EXHIBIT "A"

Don Donald
Natural Resources Eng.
10/17/82

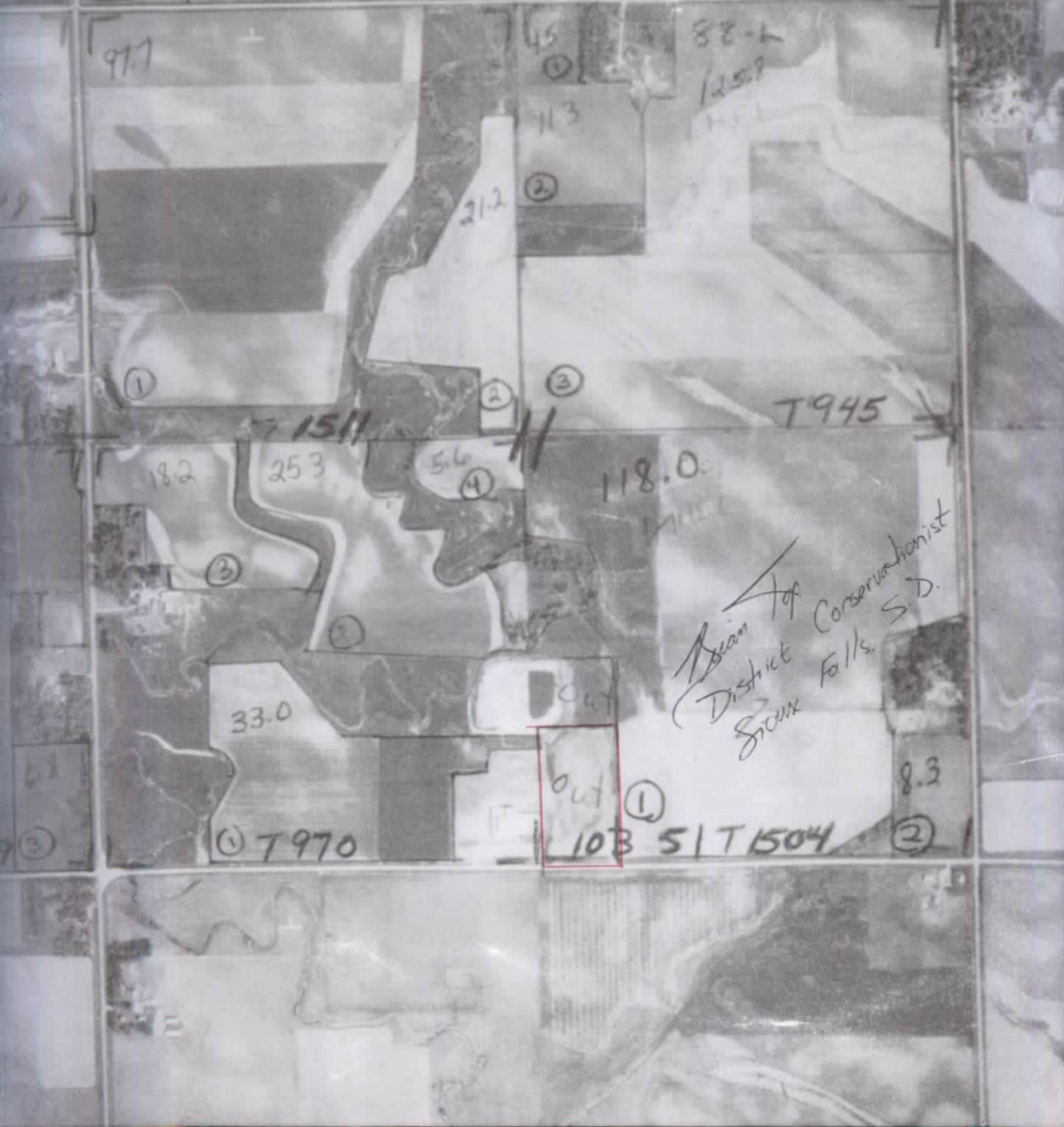
Appl. No. 5104-3

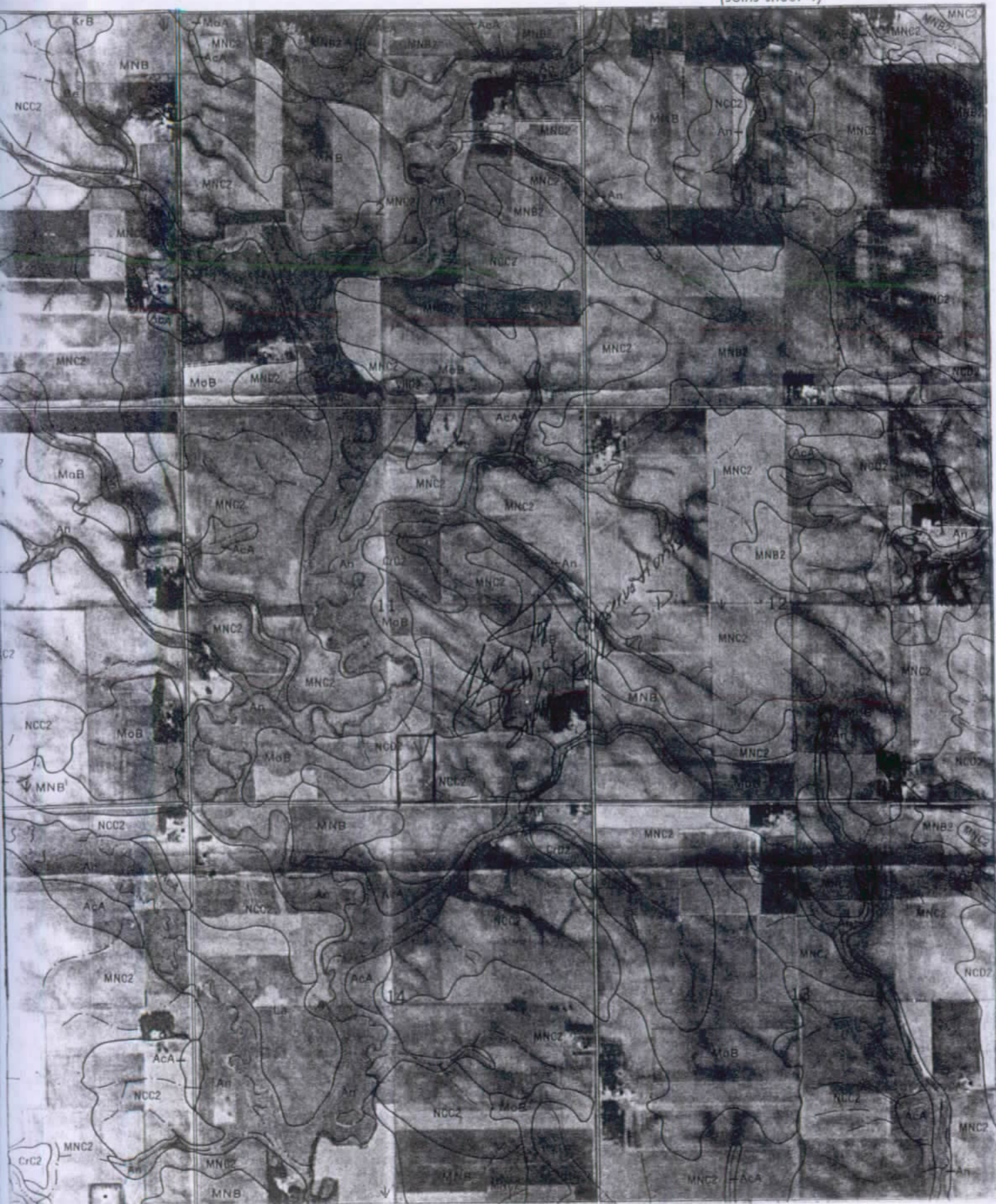
Permit No. 56763



NOT TO SCALE

① T966 103-51 T957





(Joins sheet 17)

Nora Series

In the Nora series are deep, well-drained soils that developed in calcareous loess. These extensive soils occur on sloping to steep uplands in the eastern two-thirds of the county. They occur near the Moody soils in the steeper areas and near Crofton soils in less sloping areas.

The surface layer is generally very dark grayish-brown to very dark brown, mildly alkaline silt loam, about 5 inches thick. It has weak, fine, granular structure and is easy to work.

The subsoil is very dark grayish-brown and olive-brown to light olive-brown silt loam. It has very weak, prismatic structure and is easy to work. The upper part of the subsoil is moderately alkaline.

Underlying the subsoil is light yellowish-brown, strongly alkaline silt loam parent material that was deposited by the wind.

The surface layer ranges from 3 to 6 inches in thickness. Where this layer is thinner than the plow layer, it is lighter colored because it has been mixed with the subsoil. In some places on the steeper, more eroded slopes, lime occurs at a depth of 10 inches.

Nora soils are slightly coarser textured than Moody soils and have a thinner surface layer. They have better subsoil development and are shallower to lime than the Crofton soils. Lime occurs below a depth of 10 inches in the Nora soils but is above that depth in the Crofton soils.

These Nora soils are well drained and fair in natural fertility. They respond well to good management. They show a deficiency in nitrogen and phosphorus. Erosion is a hazard if runoff is not controlled, but the water-holding capacity is good. The degree of erosion depends on the steepness and length of slope, the amount of runoff, and the kind and amount of surface cover.

Most areas of these soils are cultivated. Corn, oats, small grains, and alfalfa are the main crops, but other crops common in the area are also grown. Yields are only fair, but they can be increased by adding fertilizers, and by using practices that conserve soil and water.

Nora-Crofton silt loams, 5 to 9 percent slopes, eroded (HCC2).—This complex occurs in loess on the sloping uplands of the central and southeastern parts of the county. Runoff is moderately rapid, and erosion is a problem. Generally, the area consists of about 48 percent Nora soil, about 40 percent of Crofton soil, and about 12 percent of Moody-Nora silty clay loams, 5 to 9 percent slopes, eroded, as well as very small areas of Alcester silt loam. Most areas of these soils are cultivated. Yields of corn, small grains, and alfalfa are fair.

A profile of each of these soils is described in the description for the respective series.

Erosion is the main limitation on these soils, but the organic-matter content is low, and nitrogen and phosphorus are deficient in some areas. To control erosion and increase the supply of organic matter, use these practices: Tilling on the contour, stripcropping, terracing, grassing of waterways, and managing crop residue.

Capability unit IIIe-23; windbreak suitability group 2.

Nora-Crofton silt loams, 9 to 17 percent slopes, eroded (HCD2).—This complex occurs on moderately steep

slopes of the loessal uplands in the central and southeastern parts of the county. Runoff is rapid, and erosion is a definite problem. Generally, the complex consists of about 50 percent Nora soils, about 42 percent Crofton soils, about 8 percent Moody-Nora silty clay loams, 5 to 9 percent slopes, eroded, and small areas of Alcester silt loams.

For a description of these soils, refer to the Nora and Crofton series, to Crofton silt loam, 9 to 17 percent slopes, eroded, and to the two Alcester silt loams.

About 80 percent of the total acreage is cultivated, and the rest is in hay or pasture. Under good management, yields of corn, small grains, and alfalfa are fair. Yields of grasses are fair, but they will improve under good management. Nitrogen and phosphorus are deficient in some areas. Runoff and erosion can be controlled by tilling on the contour, contour stripcropping, grassing of waterways, terracing, and managing crop residue. The organic-matter content needs to be increased, and the increase maintained.

Capability unit IVe-22; windbreak suitability group 2.

Parnell Series

Parnell soils are deep, moderately fine textured and fine textured, and poorly drained. They formed in sediments washed from adjacent uplands. These soils are in flat, enclosed depressions in the western and southeastern parts of the county.

In some places on the surface is a mat of undecomposed twigs, leaves, and organic matter. The surface layer is about 10 inches thick and is black to dark grayish-brown silty clay loam or silty clay high in organic-matter content. This layer is friable and has a granular or fine, blocky structure. The subsoil is black to dark gray silty clay or clay and is usually wet. It has blocky structure and is slightly acid. The underlying material consists of clayey sediment that, in many places, is underlain by clay loam glacial till.

The surface layer ranges from 7 to 20 inches in thickness. This large range in thickness is the result of recent sediment being washed from adjacent uplands and deposited in varying amounts. In some places the lower part of the subsoil is calcareous and contains gypsum.

These poorly drained soils have a good supply of organic matter. They are low and receive sediment and water from higher soils.

Parnell soils are more poorly drained and are leached deeper than the Hidewood and the Brookings soils.

Drained Parnell soils are slow to dry out, and farming on them is delayed. Parnell soils that are not drained are sometimes cultivated, but only in dry years. Parnell soils are best used for hay. If they are grazed, the soils puddle and yields are reduced. Plants grow around the edges of the depressions in many areas, but no plants grow where water stands for long periods.

Parnell silty clay loam (0 to 2 percent slopes) (Pa).—This soil occurs in flat depressions and in potholes in the western and southeastern parts of the county. The soils formed in local sediment washed from adjacent uplands. Water ponds in the depressions and damages hay crops. This soil is best used for hay because it puddles if it is

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 SW 1/4 Sec 11 Twp 103N Rg 51WCounty Minnehaha

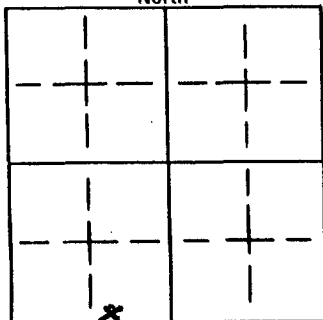
North

W

E

1 mile

Please mark well location with an "X"

Well Completion Date 3-10-80

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling: Hydri Driven False CASING

CASING DATA:

☒ Steel ☐ Plastic ☐ Other
 If other describe 8" Black pipe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 36' FEETWhat is grouting material? Bentonite

If cement, number of sacks? _____

Describe grouting procedure put in clay + bentonite in a slurry

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 8" IN Length 8' FEETMaterial SSSlot Size .05 Set From 43 Feet To 51 Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? Well finished with an 8" weld on Baker pitless adapterWas well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Tri Valley SchoolAddress RR Lyons, SD 57041

Well Log:

Depth

Formation

From

To

Topsoil02Clay Gray27Gravel714Yellow Clay1439FINE BROWN SAND3950STATIC WATER LEVEL 6' Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped☐ Bailed

Describe: _____

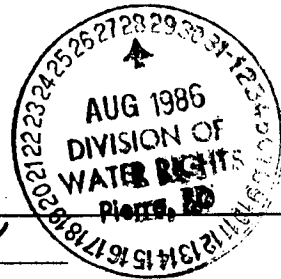
☐ Other

Pumping Level Below Land Surface

41 ft. After 24 Hrs. pumped 180 GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS: WE LOGGED THIS IN 1980 WITH THE STATE AS IT WAS SUPPOSED TO BE DONEThis well was drilled under license # 111

And this report is true and accurate.

Drilling firm LACEY WELL DRILLING

Signature of License Representative:

Jana J. Pacey

Signature of Well Owner:

Charles H. Hoffman, Pres. Mgr.

Date

8-12-86

Department of Agriculture
WI#1
5/87

SOIL/WATER COMPATIBILITY PERMIT
Division of Conservation



Office Use Only

4714

WR#

OWNERS NAME: TRI-VALLEY SCHOOL DISTRICT #49-6 OWNERS ADDRESS: BOX 8

LYONS, SD 57041

COUNTY LAND LOCATED IN: MINNEAPOLIS PHONE: 543-5500

LEGAL DESCRIPTION:



Well



Surface

1. LOCATION: SE 1/4 SW 1/4 11-T103N-R51W

Depth: _____

Legal Description	Acres	Legal Description	Acres
SW 1/4 SE 1/4 11-T103N-R51W	6		

2. TYPE OF IRRIGATION: GRAVITY: _____ TOWLINE: _____ CENTER PIVOT: _____ GUN: _____ OTHER: (Specify) X (SPRINKLER)

3. CROPS TO BE IRRIGATED: GRASS

WATER QUALITY:

4. WATER SAMPLE NUMBER: 92-0174 7. ADJUSTED (SAR): 0.90
5. SALINITY (EC X 10⁶): 1650 8. PERCENT SODIUM: 4.97
6. SODIUM (SAR): 0.33

Requirements:

Irrigation shall be restricted from slopes greater than 9%; unless land leveling and practices are used to limit potential runoff.

Russell J. Stone

Director, Division of Conservation

JUNE 18, 1992

Date

XXX

APPROVED

DISAPPROVED

WAIVER

XXX

REQUIREMENTS

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



Department of Water & Natural Resources

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

July 26, 1988

Charles Hoffman, Business Manager
Tri-Valley School District No. 49-6
Box 8
Lyons, SD 57041

Dear Mr. Hoffman:

On May 18, 1988, a final inspection of Water Permit Number 5104-3 was conducted by David Brown, Staff Engineer. Gary Saylor of Tri-Valley School accompanied Mr. Brown on the inspection. Mr. Saylor stated that the well used under Water Permit Number 5104-3 had at one time supplied water to your school. However, due to the unacceptable water quality of the well water, the school stopped using the well. The Minnehaha Rural Water System currently supplies water to the school.

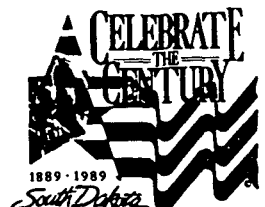
Water Permit Number 5104-3 authorized 0.10 cubic feet per second (cfs) or 45 gallons per minute of water to be used for institutional and domestic purposes. Don Kalda with Schmidt-Kalda and Associates advised that the pump in the well is designed to discharge 100 gallons of water per minute (0.22 cfs) with a total dynamic head of 260 feet. Domestic use is use of water not exceeding eighteen gallons per minute on an average daily basis for livestock watering and irrigation of a noncommercial family garden, trees, shrubbery or orchard not greater than one-half acre.

Water Permit Number 5104-3 does not allow for irrigation of a football field because football field irrigation is not domestic use and larger than one-half acre. Therefore, if you plan to irrigate the football field/yard, a new water permit is required. Enclosed are the application forms and application instructions for obtaining a new Soil/Water Compatibility Permit and Permit To Appropriate Water which you requested on July 18, 1988.

Very truly yours,

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

enclosures





DEPARTMENT OF WATER & NATURAL RESOURCES

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

January 18, 1991

Tri-Valley School District No. 49-6
Box 8
Lyons SD 57041

Dear Sir:

On July 26, 1988, we sent the school a letter concerning Water Permit No. 5104-3 (copy enclosed). You were notified that an application would need to be filed if the school intended to irrigate the football field from the existing well. Water Permit No. 5104-3 was approved for institutional and domestic use. The use on the new application would be for irrigation. To date, we have not received a response from the school.

Pursuant to South Dakota Codified Laws 46-1-15, 46-5-9, 46-5-10 and 46-2-18, you must have a water permit prior to using water.

Enclosed are a set of application forms, an instruction sheet and a copy of Water Permit No. 5104-3. Please respond by completing the application forms or contacting me by March 15, 1991.

Sincerely,

Eric Gronlund
Water Rights Division
Phone: (605) 773-3352

enclosure

Conversation or File Documentation

NAME OF PERSON OR FILE: Tri Valley School District

ADDRESS: _____ COUNTY _____

DATE: 3/12/91 TELEPHONE 543-5500RE: Frank Ashmore

COMMENTS:

Is going to wait til spring so that a water sample
can be taken for the SW Permit. I said this would
be fine

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Eric S. Menlund 3/12/91

South Dakota

GREAT FACES. GREAT PLACES.

August 5, 1991

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Frank Ashmore, Superintendant
Tri-Valley School District No 49-6
Box 8
Lyons, SD 57041

Dear Mr. Ashmore

On July 31, 1991 we met and talked about Water Permit #5104-3 (of which you have a copy). You were notified that an application would need to be filed if the school intended to irrigate the football field from the existing well. Water Permit #5104-3 was approved for institutional and domestic use only. The use on the new application would be for irrigation.

Enclosed are a set of application forms and an instruction sheet. Please respond by filling ou the application forms as soon as possible. If you have any questions please call me.

Sincerely,

Gregory Johnston

Gregory Johnston
Natural Resources Engineer
Water Rights Division
605 773-3352

encl

File No. 5104-3

Water Rights Division -DENR

Conversation or File Documentation

NAME OF PERSON OR FILE: **Tri-Valley School System**

ADDRESS: **Box 8 Lyons, SD 57041** COUNTY: **MA**

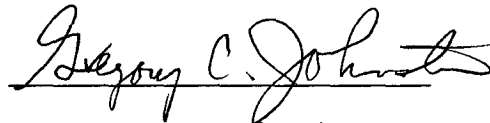
DATE: **4/13/92**

TELEPHONE: **543-5500**

RE: **Application for irrigation of football field**

COMMENTS:

Called Mr. Ashmore, Superintendent, and requested completion of the application to irrigate the football field at the Tri-Valley High School. Will send application and instruction sheets ASAP.

A handwritten signature in cursive script, reading "Gregory C. Johnston". The signature is written in dark ink and is positioned above the printed name.

Gregory C. Johnston

Natural Resources Engineer

DENR, Water Rights Division

TRI-VALLEY SCHOOL

DISTRICT NO. 49-6



Phone 446-3538
Phone 543-5500

ADMINISTRATIVE OFFICE
BOX 8
LYONS, SOUTH DAKOTA 57041

May 5, 1992



Mr. Greg Johnston
Water Rights Division, DWNR
Joe Foss Building
Pierre, SD 57501

Dear Greg

Enclosed is the following material for the permit for irrigation for the football field at the Tri-Valley School.

- a) Application for Soil Water Compatibility Permit and Permit to Appropriate Water
- b) Two maps, signed, showing the area to be irrigated. Also attached is a document describing the composition of the soil.
- c) A sheet marked "Exhibit A" showing the exact location of the well.
- d) A check in the amount of \$150. The flow of the water is approximately 50 gallons per minute.

As you stated, I left the section of the Application blank that asks for the "Land Description" and the "Number of Acres Irr." You stated that you would supply that information.

Hopefully, everything is completed that you need in order to complete the application. If any additional information is needed, give me a call.

Sincerely

Frank Ashmore
Superintendent



May 13, 1992

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Tri-Valley School District No. 49-6
Frank Ashmore, Superintendent
Box 8
Lyons SD 57041

Dear Mr. Ashmore:

We received the water permit application for the Tri-Valley School on May 6, 1992. We are returning the application because it must be signed and notarized.

Upon receipt of the signed and notarized application, further processing will continue. If you have any questions, please contact this office.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure

TRI-VALLEY SCHOOL

DISTRICT NO. 49-6



Phone 446-3538
Phone 543-5500

ADMINISTRATIVE OFFICE
BOX 8
LYONS, SOUTH DAKOTA 57041



May 14, 1992

Karen Schlaak
Natural Resources Analyst
Department of Environment
and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3181

Dear Ms. Schlaak

Enclosed is the water permit application in which I forgot to have notarized. I apologize for any inconvenience this may have caused.

Sincerely

Frank Ashmore
Superintendent

**Report on Application 5676-3
Tri-Valley School District
August 11, 1992**

Water Permit No. 5676-3 appropriates 0.085 cubic feet of water per second (38 gallons per minute) from one existing well (Big Sioux-Middle Skunk Creek) 50 feet deep located in the SE1/4 SW1/4 Section 11 to irrigate 6 acres (football field) located in the SW1/4 SE1/4 Section 11; all in T103N-R51W.

Aquifer - Big Sioux - Middle Skunk Creek (BS-MSC)

The BS-MSC consists of mantled glacial outwash deposits containing poorly sorted sands and gravels with some interbedded clays and silts (Lindgren and Niehus, 1992). The aquifer is predominantly under water table conditions throughout Minnehaha County. The BS-MSC Aquifer underlies 18,300 acres and contains an estimated 41,180 acre-feet of recoverable water (HDR, 1991). The estimated recharge to the BS-MSC is 6 inches per year (Ohland, 1987) or 9,150 acre-feet per year. Recharge to the aquifer is from infiltration of precipitation in the flood plain of Skunk Creek and connecting tributaries. The Middle Skunk Creek Aquifer is hydraulically connected to both Skunk Creek and the West Branch of Skunk Creek. Depending upon the hydraulic gradient between the aquifer and the streams, water can migrate from the streams into the aquifer (losing stream condition) or from the aquifer to the streams (gaining stream condition). In general, gaining stream conditions prevail between the BS-MSC Aquifer and connected streams.

The Division of Water Rights monitors 7 observation wells completed into the Middle Skunk Creek Aquifer. Observation well No. MA-78D is located 2.5 miles east of the application diversion point, and a hydrograph of this well is attached to the report. Water levels fluctuated from 2.5 to 9 feet below the ground surface during extremely wet (1982 and 1986) and dry (1981 and 1990) periods. The hydrograph reflects annual fluctuations in water levels as a result of seasonal climatic changes. The effects of drawdown from pumping wells is not apparent on the hydrograph of MA-78D.

Existing Water Rights

The Division of Water Rights has records of 23 domestic wells completed into the BS-MSC Aquifer. As of April 29, 1992, there were 14 water permits/rights (excluding No. 5676-3) authorized to appropriate water from the BS-MSC Unit in Minnehaha County (Water Rights Division, 1992). Permit No. 5104-3 (Tri-Valley School District) for institutional and domestic use has been noticed for cancellation because the water has not been used for these uses for several years. Other water rights/permits issued include 7 irrigation, 5 municipal and 1 future use. Water rights/permits

to appropriate water from the BS-MSD represent a total combined diversion rate of 32.66 cubic feet of water per second (cfs). Municipal permits/rights may divert up to 4817 acre-feet per year. Irrigation rights/permits authorize irrigation of 1218 acres (the maximum total diversion allowed by law is - 2 acre-feet per acre per year for permits/rights approved after June 30, 1978, and 3 acre-feet per acre per year for prior permits/rights). Actual reported irrigation use in 1991 from the BS-MSD in Minnehaha County was 460 acre-feet.

Future Use Permit No. 5522-3 reserved 5000 acre-feet for the city of Sioux Falls. 4817 acre-feet have been permitted for municipal use in Sioux Falls. The remaining future use water reserved by Permit No. 5522-3 is 183 acre-feet.

Permit No. 5104-3, Tri-Valley School District, for 0.10 cfs has been noticed for cancellation due to nonuse. The school is presently supplied by the Minnehaha Community Water Corporation. Application No. 5676-3, proposes to use the well authorized under No. 5104-3, for irrigation. The 0.10 cfs figure permitted under No. 5104-3 has not been used in the calculation of total water usage within the BS-MSD.

Actual use, estimated use, plus the acre-feet reserved for future use total $460 + 4817 + 183 = 5460$ acre-feet.

The diversion point for this application is one to two miles east of permits issued for irrigation and proposed wells under Permit No. 5612-3 for the city of Sioux Falls. There have been no complaints of interference from those permit holders presently pumping water or any other irrigators in the vicinity of the application area. Permit No. 5676-3 lies within the geographical boundaries of Future Use Permit No. 5522-3 for the city of Sioux Falls which appropriates 5000 acre-feet of water, of which, 4817 acre-feet has been permitted for municipal use. Permit No. 5676-3, if approved, may be subject to reduction of withdrawals if pumping of the well under this permit adversely impairs adequate domestic or adequate wells having prior rights.

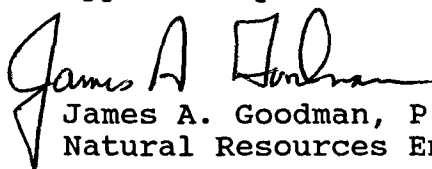
Conclusions:

- 1) Water is available from the BS-MSD aquifer. The total estimated, actual and reserved water use is 5460 acre-feet and the estimated recharge is 9,150 acre-feet in the BS-MSD. In addition, there appears to be no significant drawdown in the aquifer in the vicinity of observation well No. MA-78D.
- 2) Interference is not a problem - existing water rights will not be unlawfully impaired.
- 3) It is a beneficial use of water.

- 4) This permit, if approved, may be subject to reduction of withdrawal if adequate domestic or prior rights are adversely impacted.
- 5) This well was completed in accordance with SD Well Construction Standards.


Gregory C. Johnston
Natural Resources Engineer

Approved by:

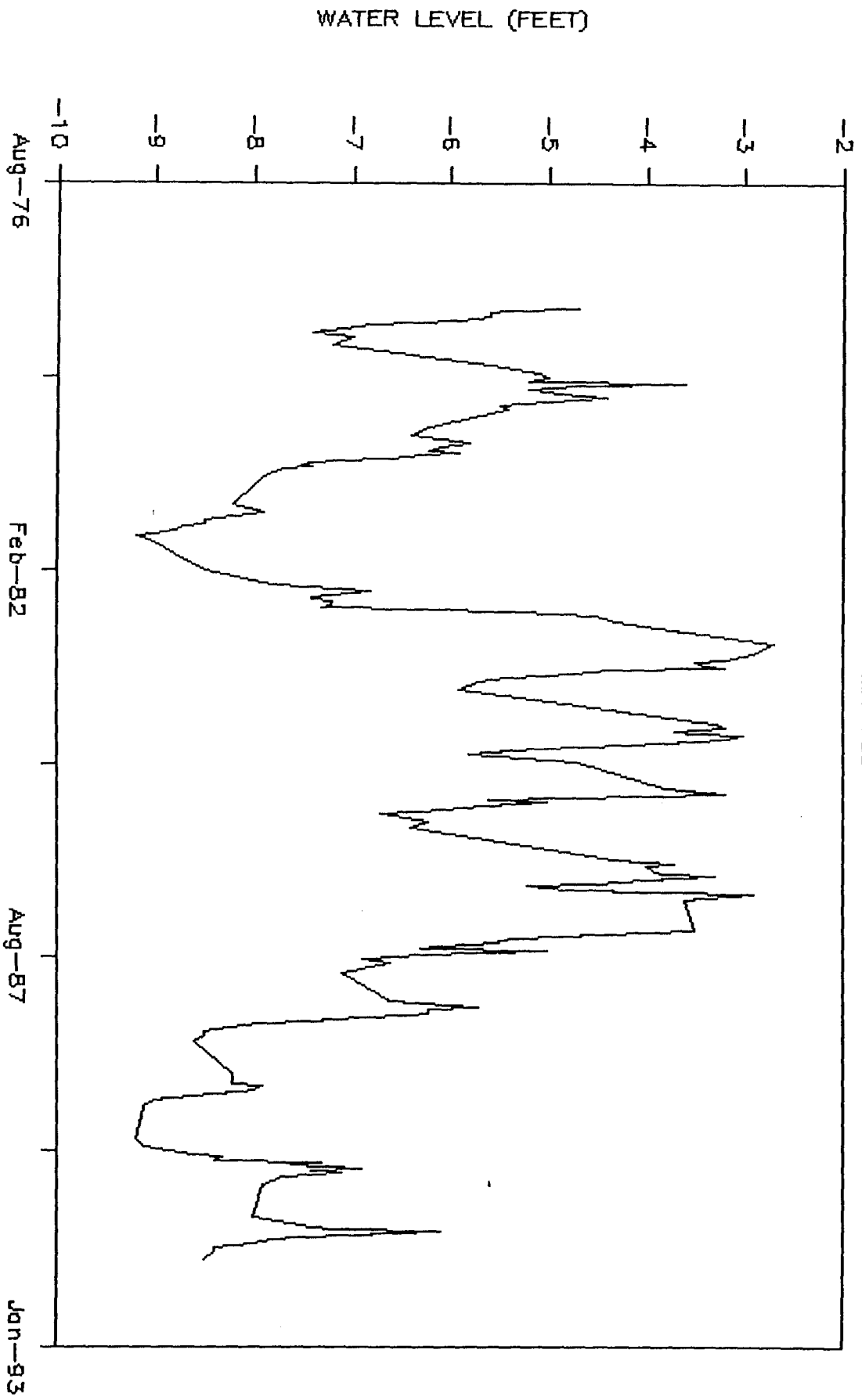

James A. Goodman, P.E.
Natural Resources Engineer IV

BIBLIOGRAPHY

- HDR Engineering, Inc. 1991, Middle Skunk Creek Aquifer Study, prepared for the city of Sioux Falls South Dakota
- Hedges, L.S., et al, 1982, Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, US Army Corps of Engineers, DENR, SDGS, Vermillion, SD 57069
- Lindgren, R.J., Niehus, C.A., Water Resources of Minnehaha County, South Dakota, USGS Water Resources Investigations Report 91-4101
- Ohland, G.L., 1990, Appraisal of the Water Resources of the Skunk Creek Aquifer in Minnehaha County, SD, USGS Water Resources Investigations Report 87-4156
- Water Rights Division, 1992, 1991 Irrigation Summary by Aquifer, DENR, Division of Water Rights, Joe Foss Building, Pierre, South Dakota 57501
- Water Rights Division, 1992, Observation Well Files, MA-78D, DENR, Division of Water Rights, Joe Foss Building, Pierre, SD 57501
- Water Rights Division, 1992, Water Permit Files, DENR, Division of Water Rights, Joe Foss Building, Pierre, South Dakota 57501

WATER RIGHTS OBSERVATION WELL

MA-78D



RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5676-3, Tri-Valley School District No. 49-6

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Environment and Natural Resources concerning Water Permit Application No. 5676-3, Tri-Valley School District No. 49-6, c/o Frank Ashmore, Box 8, Lyons, SD 57041.

The Chief Engineer is recommending APPROVAL of Application No. 5676-3 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. 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
August 14, 1992

South Dakota

GREAT FACES. GREAT PLACES.

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 25, 1992

Frank Ashmore
Tri-Valley School District No. 49-6
Box 8
Lyons SD 57041

Dear Mr. Ashmore:

Enclosed is the receipt for the filing fee (\$150.00) submitted for Water Permit Application No. 5676-3. It has been determined that since the school will be using less than 50 gallons permit minute, the filing fee for the application should have been \$50.00. After this permit application has been approved, the water license will be issued. The fee for issuance of the water license is \$50.00. Therefore, the remaining \$50.00 will be refunded to you. You should receive the refund check in within two weeks.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure



GREAT FACES. GREAT PLACES.

**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.

August 25, 1992

Frank Ashmore
Tri-Valley School District No. 49-6
Box 8
Lyons, SD 57041

Dear Mr. Ashmore:

Water Permit Application No. 5676-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Argus Leader printed at Sioux Falls, SD (Ph # 331-2200). For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. 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 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.



GREAT FACES. GREAT PLACES.

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

August 25, 1992

Argus Leader
PO Box 5034
Sioux Falls, SD 57117-5034

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 5676-3 to be published twice. Please publish the first notice on September 1, 1992, 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 Tri-Valley School District No. 49-6, Box 8, Lyons, SD 57041 (Ph # 543-5500).

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. 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 application 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 Division
Joe Foss Building
Pierre SD 57501-3181

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to
Appropriate Water by Application No. _____ 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 September 1, 1992, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5676-3 to Appropriate Water

Notice is given that Tri-Valley School District 49-6, Box 8, Lyons, SD 57041 has filed an application for a water permit to appropriate 0.085 cubic feet of water per second (38 gallons per minute) from one existing well (Big Sioux-Middle Skunk Creek) 50 feet deep located in the SE 1/4 SW 1/4 Section 11 to irrigate 6 acres (football field) located in the SW 1/4 SE 1/4 Section 11; all in T103N-R51W. The existing well authorized by Permit No. 5104-3 for institutional and domestic use has been noticed for cancellation due to non-use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5676-3 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. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Division, 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 September 18, 1992. 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.

If a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Board will consider this application at 10:00 am, September 30, 1992, Floyd Matthew Training Center, Joe Foss Building, 523 East Capitol, Pierre, SD. If a hearing is held, the Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The September 30, 1992, hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by September 18, 1992.

Any hearing will be an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by September 18, 1992, at the above Water Rights Division address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

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

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA, }

SS.

COUNTY OF MINNEHAHA }

M. DEVISH

being duly

sworn, says: That the Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota, by Sioux Falls Newspapers, Inc.; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Tuesday, the 1 day of September, 1992,

Tuesday, the 8 day of September, 1992,

_____, the _____ day of _____, 19____,

_____, the _____ day of _____, 19____,

_____, the _____ day of _____, 19____,

_____, the _____ day of _____, 19____,

_____, the _____ day of _____, 19____,

and that \$115.93 was charged for publishing the same including a \$2.00 affidavit fee.

M. Devish

Subscribed and sworn to before me September 8, 1992.

Nancy A. Buckley
Notary Public, South Dakota

NOTICE OF HEARING
on Application No. 5676-3
to Appropriate Water

Notice is given that Tri-Valley School District 49-6, Box 8, Lyons, SD 57041 has filed an application for a water permit to appropriate 0.085 cubic feet of water per second (38 gallons per minute) from one existing well (Big Sioux-Middle Skunk Creek) 50 feet deep located in the SE 1/4 SW 1/4 Section 11 to irrigate 6 acres (football field) located in the SW 1/4 SE 1/4 Section 11; all in T103N-R51W. The existing well authorized by Permit No. 5104-3 for institutional and domestic use has been noticed for cancellation due to non-use.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 5676-3 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. Unless a petition is filed opposing the application or the applicant files a petition contesting the chief engineer's recommendation, the Water Management Board will NOT CONDUCT a HEARING to consider this application and the chief engineer will issue the permit as recommended. Petitions filed in support of the application will NOT require the Board to hear the application.

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

Robert E. Roberts, Secretary
Department of Environment and
Natural Resources
Sept. 1, 8, 1992

Permit No. 5676-3

Big Sioux River Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

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

I have this day made a thorough examination of the water use system constructed by Tri Valley School District No. 49-6 of Box 8, Lyons, SD 57041 holder of Permit No. 5676-3, bearing the priority of May 6, 1992 authorizing the diversion of .085 cu. ft. per second of the waters of Big Sioux-Middle Skunk Creek Aquifer for irrigation purposes, in Minnehaha County.

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

A. Works used to divert the water:

One Well - 50' deep with 42' of black pipe casing and 8' of .05 slot stainless steel screen, Franklin submersible Pump and Motor, Model No. 2361049006 Type BR, 2", 3 stages, 15 HP; Pump near football field - Franklin Model No. L35.2B, 2", 3 stages, Franklin Motor, Model No. I46-48, 10 HP, total system capacity is 100 GPM @ 40 PSI

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

980' of 2" PVC

C. Works used to apply water to beneficial use:

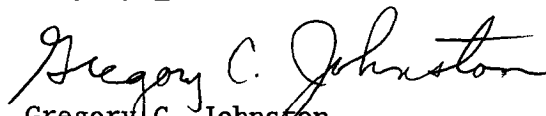
Moveable sprinkler with 400 feet of hose to water football field

The system is in the following condition good. The point of diversion is located 1918' East and 60' North of the SW corner of Section 11-T103N-R51W. The works are capable of diverting and conveying to the place of use .22 cu. ft. per second of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

All in Section 11-T103N-51W:

SW1/4 SE1/4 = 6 acres

comprising a total of 6 acres of land and the license should be issued for .085 cfs. Applicable permit qualifications have been complied with X Yes No
Exceptions to compliance are: None Date 11/23/92


Gregory C. Johnston
Natural Resources Engineer
DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NUMBER 5676-3

DATE 11/20/92

Other permit(s) associated with the project

DIVERSION POINT LEGAL LOCATION: 1918'E and 60'N of the SWcorner of Section 11-T103N-51W

WELL INFORMATION: Well Drilling Firm Lacey Well Drilling

No. of Wells 1 Depth(s) 50

- a) Casing: 1) diameter 8 inches b) Screen: 1) type .05 slot stainless steel
2) length 42 feet 2) length 8 feet
3) type black pipe c) Pump 1) make Franklin Submersible /Franklin pump
near school
d) Static Water Level 6 feet 2) model 2361049006 Type BR/L35.2B
e) Motor: 3) size both 2 inches
1) make both Franklin 4) capacity 100 (total) GPM
2) model No. 2361049006 Type BR/L46-48 5) turbine pump - No. of stages 3
3) horsepower rating 15/10 hp 6) operating pressure 40 PSI

DISTRIBUTION LINES OR CANALS:

- a) type plastic b) size 2 inches c) length 980' feet

System Type:

- a) Moveable sprinkler with 400' of 1" plastic hose used to irrigate 6 acres of football field.

CHEMIGATION EQUIPMENT:

- a) does chemigate N (Y/N)

PERMIT QUALIFICATIONS AND REGULATIONS:

- a) Soil and water permit lands agree with lands being irrigated and lands listed on permit Y (Y/N)
b) Special qualifications to permit being abided by Y (Y/N)
c) All structures, wells and lands on map Y (Y/N)
d) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y (Y/N)



MAR 12 1993

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

Frank Ashmore
Tri-Valley School District No. 49-6
Box 8
Lyons, SD 57041

Dear Mr. Ashmore:

Enclosed is Water Permit No. 5676-3 authorizing your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

The final inspection has been completed on this Permit, and we are ready to issue the Water License. Statutes require we charge \$50 for the inspection and issuance of the final papers. Upon receipt of this amount the Water License will be sent to you.

Very truly yours,

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

enclosures

NOT TO SCALE

20.0
① T966 L 103-51 T957

91.7

NO. 5104-3 5676-3

TRI-VALLEY SCHOOL

Drawn by:

Gregory C. Johnston

Gregory C. Johnston

Natural Resources Engineer

Water Rights Division, DE

5/6/92

Inspected 7/31/92

45

88-L

125.8

113

②

All in Section 11- T103N-R51W

SW 1/4 SE 1/4 = 6 acres
(football field)

N

1" 754'

T945

62.6

122.1

33.0

① T970

Valley School

Use portable
sprinkler
w/400' of
1" diameter hose
to irrigate football
field

NO B-51 T 504

8.3

Well

2" plastic
pipe

6 acres
(football field)

1918'

5676-3

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 5676-3

(1) Tri Valley School District No. 49-6, of Box 8, Lyons, SD 57041 made Application No. 5676-3, May 6, 1992 for a water permit to appropriate 0.085 cubic feet of water per second from groundwater (one well), Minnehaha County, South Dakota for irrigation purposes. Permit No. 5676-3, with a priority date of May 6, 1992 was approved September 30, 1992 and issued to the applicant(s) for diversion of water with construction of the described water supply system completed and the application to beneficial use of said water completed.

(2) It is certified that the applicant 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 0.085 cubic feet of water per second for beneficial use. The location of the diversion point is 1918 feet E and 60 feet N of the SW corner of Section 11-T103N-R51W (SE 1/4 SW 1/4).

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

T103N-R51W	Section 11	SW1/4 SE1/4	6 acres
------------	------------	-------------	---------

(4) Pursuant to South Dakota Water Law 46-5-30.1 Tri Valley School District No. 49-6 of Box 8, Lyons, SD 57041 the holder(s) and/or owner(s) of Water Permit No. 5676-3 is issued a license to appropriate water, the right to use 0.085 cubic feet of water per second from groundwater (one well) with a priority date of May 6, 1992 from the location specified in (2) of this license. The water 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 Permit No. 5676-3 and subject to South Dakota State Law.

SEP 17 1993

JOHN HATCH, Chief Engineer
Water Rights Division
Department of Environment and Natural Resources



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 21, 1993

Frank Ashmore
Tri-Valley School District 49-6
Box 8
Lyons SD 57041

Dear Mr. Ashmore:

Enclosed is the \$50.00 check which you submitted. The letter sent to you on March 12, 1993 requesting this fee was in error. Our records indicate that the \$50.00 fee for the water license has been paid. The water license for Water Permit No. 5676-3 is being processed and you should be receiving the water license in the near future.

We are sorry for any inconvenience, this error may have caused. If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Natural Resources Analyst
605 773-3352

enclosure



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 17 1993

5676-3

Frank Ashmore
Tri Valley School District No. 49-6
Box 8
Lyons, SD 57041

Dear Mr. Ashmore:

Enclosed is Water License No. 5676-3. This is the final water right document completing your process of obtaining a Water Right.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 5676-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

Very truly yours,

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

rd
enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

December 5, 1994

5676-3

D Pecks
Tri-Valley School District No. 49-6
46450 252nd Street
Colton, SD 57018-5712

Dear Mr. Peck:

Thank you for your prompt return of the 1994 irrigation questionnaire. However, in order for the questionnaire to be complete, the back side of the form will need to be filled out.

You indicated the football field was irrigated during the summer months. Please include the pump rate, number of days pumped each month and the approximate number of hours per day the football field was watered.

Thank you for your assistance in this matter. If you have any questions, please contact me.

Sincerely,

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

enclosure

1994 WATER MANAGEMENT BOARD IRRIGATION QUESTIONNAIRE
PLEASE FILL OUT AND RETURN BEFORE DECEMBER 16, 1994

5676-3
 TRI VALLEY SCHOOL DIST NO 49-6
 FRANK ASHMORE
 BOX 8
 LYONS, SD 57041

CHANGES TO ADDRESS LABEL, IF ANY:
 Tri-Valley School District 49-6
 D. Pecks
 46450 252nd Street
 Colton, SD 57018-5712

COMPLETE AND RETURN THIS FORM TO THE WATER RIGHTS DIVISION AT 523 E CAPITOL, PIERRE, SD 57501-3181 (605) 773-3352

HAS SYSTEM BEEN CONSTRUCTED? YES X NO

DID YOU IRRIGATE IN 1994? YES X NO IF YES, NUMBER OF ACRES IRRIGATED Football field

SOURCE OF WATER own well

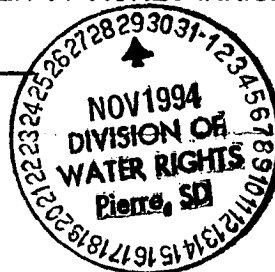
DID YOU CHEMIGATE IN 1994? YES NO X

TYPE OF SYSTEM (CHECK ALL THAT APPLY):

CENTER PIVOTS TOWNLINES BIG GUN
 FLOOD SPRINKLERS X OTHER

COMMENT SECTION:

This well is used only to water the football field during July and August if weather conditions are dry.



THE PORTION OF THE FORM FOR REPORTING ACRES IRRIGATED IS ON THE BACK OF THIS PAGE. LISTED BELOW ARE TWO EXAMPLES OF HOW TO COMPLETE THE FORM:

EXAMPLE 1: IN JUNE & JULY, 130 ACRES WERE IRRIGATED USING A CENTER PIVOT SYSTEM (70 ACRES OF CORN & 60 ACRES OF BEANS). THE PUMP RATE OF THE PIVOT IS 800 GALLONS PER MINUTE AND YOU PUMPED 10 DAYS (@ 24 HOURS PER DAY) ON THE CORN AND 20 DAYS ON THE BEANS:

MONTH	CROP	ACRES	PUMP RATE	# DAYS	AVE/HRS DAY
JUNE	CORN	70	800 GPM	10	24
	BEANS	60	800 GPM	10	24
JULY					
	BEANS	60	800 GPM	10	24

EXAMPLE 2: IN JUNE, 40 ACRES OF ALFALFA WERE IRRIGATED (USING GATED PIPE @ 3000 GPM) FOR 10 DAYS - 20 HOURS PER DAY; 60 ACRES OF BEANS WERE IRRIGATED (USING BIG GUN @ 500 GPM) FOR 10 DAYS AT 24 HOURS PER DAY:

JUNE	ALFALFA	40	3000 GPM	10	20
	BEANS	60	500 GPM	10	24

NOTE: PLEASE SPECIFY UNDER HOURS PUMPED WHETHER YOU ARE REPORTING IN REGULAR HOURS OR KILOWATT HOURS.



January 30, 1996

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

NOTICE

TO: TRI VALLEY SCHOOL DIST NO 49-6, D. PECKS, SUPT, 46450 252ND STREET,
COLTON, SD 57018 5712

FROM: Ron Duvall, Natural Resources Engineer
for John Hatch, Chief Engineer
Water Rights Program

SUBJECT: Violation of Water Permit No(s) 5676-3

Our records indicate that the 1995 Irrigation Questionnaire has not been submitted for Permit No(s) 5676-3. The request for the Questionnaire was dated October 20, 1995. The Water Management Board has directed that owners of water permits who have not submitted the 1995 Irrigation Questionnaire be given notice of permit violation and a hearing to be held by the Board. The hearing held by the Board will determine the action to be taken for violation of Water Permit No(s) 5676-3 qualification:

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

The hearing will be held at 9:45 am, March 6, 1996 in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol, 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) 5676-3 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 1, 1996, you will no longer be in violation of your permit and your name will be deleted from the Board agenda. If you have questions or need assistance in completion of the irrigation questionnaire(s), please contact Genny McMath at (605) 773-3352.

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.

Is your RETURN/ed on the reverse side?	SENDER: ■ Complete items 1 and/or 2 for additional services. ■ Complete items 3, 4a, and 4b. ■ Print your name and address on the reverse of this form so that we can return this card to you. ■ Attach this form to the front of the mailpiece, or on the back if space does not permit. ■ Write "Return Receipt Requested" on the mailpiece below the article number. ■ The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. ☐ Addressee's Address 2. ☐ Restricted Delivery Consult postmaster for fee.
	3. Article Addressed to: TRI VALLEY SCHOOL DIST NO 49-6 D. PECKS, SUPT 46450 252ND STREET COLTON SD 57018-5712	4a. Article Number Z 161 984 098 4b. Service Type ☐ Registered ☒ Certified ☐ Express Mail ☐ Insured ☐ Return Receipt for Merchandise ☐ COD	
Is your RETURN/ed on the reverse side?	5. Received By: (Print Name) Gloria Buck	7. Date of Delivery 1-31-95	
	6. Signature: (Addressee or Agent) X Gloria Buck <i>GR</i>	8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		Domestic Return Receipt	

Thank you for using Return Receipt Service.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 1, 1996

5676-3

Duane Pecks, Supt.
Tri Valley School District No. 49-6
46450 252nd St
Colton, SD 57018-5712

Dear Mr Pecks:

I am writing to acknowledge receipt of your 1995 irrigation questionnaire. You may disregard the January 30, 1996, **Notice of Violation of Water Permit No. 5676-3.**

I completed a questionnaire for you based on our January 31st telephone conversation. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Thank you for calling and if you have any questions, please contact me.

Sincerely,

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



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

October 26, 1998

5676-3

D Pecks, Superintendent
Tri Valley School District No. 49-6
46450 252nd St
Colton, SD 57018-5712

Dear Mr. Pecks:

Enclosed is your 1998 irrigation questionnaire. The form will need to be completed and returned to us by December 1, 1998.

You indicated on the form that you do not irrigate "crops". The form is probably geared more towards irrigators who harvest crops like corn or beans; however people irrigating large lawns, gardens, cemeteries, golf courses, parks and football fields are sent the same form. We are primarily concerned with how much water is applied each year from a particular source than what "crop" was irrigated.

Please review the form again and try to complete it as accurately as possible. If you need assistance, please give me a call.

Sincerely,

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

encl



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 22, 2021

NOTICE

TO: TRI VALLEY SCHOOL DIST NO 49-6, TERRY ECKSTAIN, 46450 252ND ST, COLTON, SD 57018 5712

FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2020 Irrigation Questionnaire(s)

Our records indicate your 2020 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 5676-3. The request for the Questionnaire was dated October 23, 2020. The Water Management Board has directed that owners of water permits who have not submitted the 2020 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) 5676-3 qualification:

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

The hearing will be held at **Wednesday, March 3, 2021 at 10:00 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) 5676-3 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, 2021** 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. **If you prefer, you can complete the questionnaire online at the following link: <https://denr.sd.gov/iq> using this password: BVKVWY**

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.



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 1, 2021

5676-3

Dr. Mike Lodmel, Supt
Tri Valley School District No. 49-6
46450 252nd St
Colton SD 57018-5712

Dear Dr. Lodmel:

I am writing to acknowledge receipt of the 2020 irrigation questionnaire for Water Right No. 5676-3.

You may disregard the January 22, 2021, "Notice" concerning reporting requirements for Water Right No. 5676-3. 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

Water Rights Program File Documentation

Permit/Right No. and Owner: Water Right No. 5676-3, Tri-Valley School District

Date: June 3, 2024

County: Minnehaha

RE: aquifer designation

COMMENTS:

Kilts (2023) as part of a review of the Middle Skunk Creek management unit of the Big Sioux aquifer (BS:MSC) determined that Water Right No. 5676-3, previously assigned an aquifer designation of BS:MSC should be reassigned. In reviewing the best information currently available for aquifer and management unit naming conventions, the best aquifer designation for Water Right No. 5676-3 is the Colton aquifer shown in Figure 1. Water Right No. 5676-3 is for the irrigation of six acres in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 11-T103N-R51W at a maximum diversion rate of 0.085 cubic feet per second with a priority date of May 6, 1992.

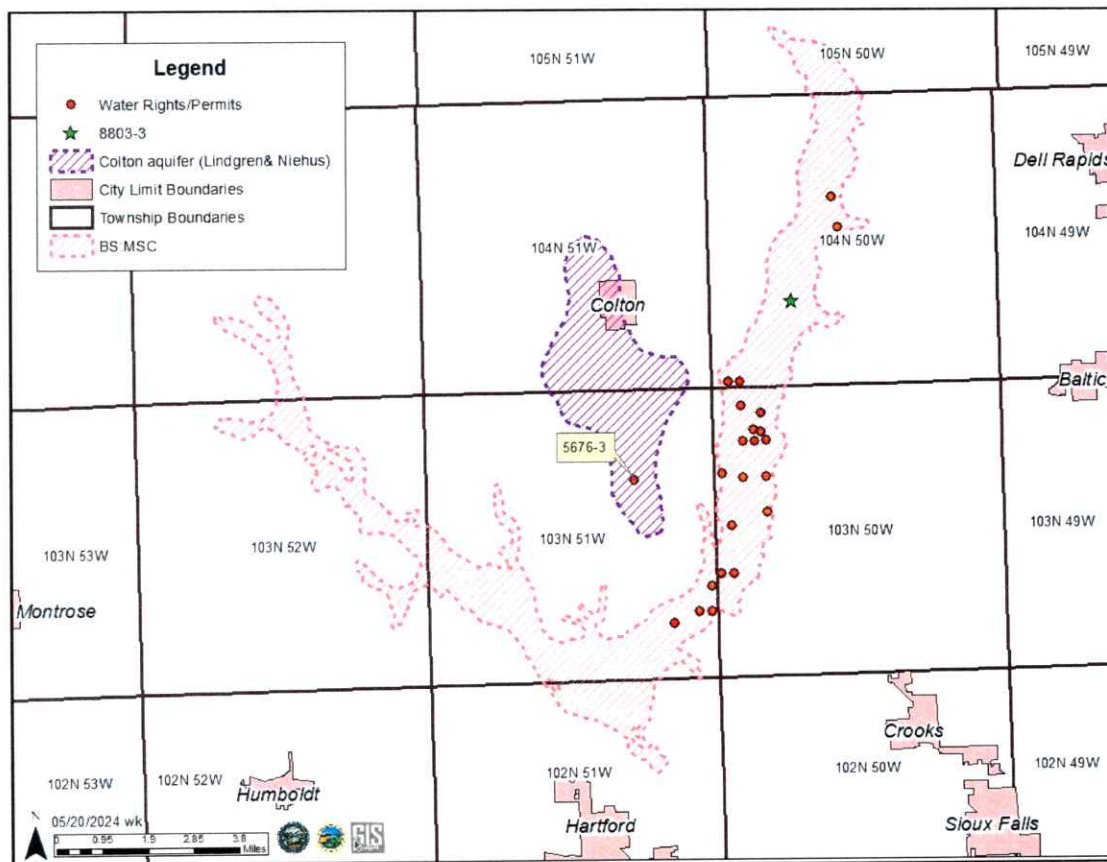


Figure 1: BS:MSC from Kilts (2023) and the Lindgren and Niehus (1992) delineation of the Colton aquifer

In reviewing the file for Water Right No. 5676-3, the public notice and permit listed the water source as the Big Sioux: Middle Skunk Creek aquifer but the license for Water Right No. 5676-3 list the water source only as groundwater. This change of aquifer designation, to the Colton aquifer, does not represent a physical change in the water source. It is an update to the name of the aquifer materials to reflect the currently best available information for aquifer extents. This update to the aquifer name does not authorize any increase in the amount of water appropriated by Water Right No. 5676-3, relocation of existing wells, or completion of additional wells into the aquifer. Going forward, issuance of any pertinent documents will reflect the updated aquifer designation.



Whitney Kilts
Natural Resources Engineer
DANR Water Rights Program



Eric Gronlund
Chief Engineer
DANR Water Rights Program

Kilts, W. 2023. Report to the Chief Engineer on Water Permit Application No. 8803-3. SD DANR-Water Rights Program. Joe Foss Building, Pierre, South Dakota.

Lindgren, R. J. and Niehus, C. A. 1992. Water Resources of Minnehaha County, South Dakota. Water-Resources Investigation Report 91-4101. US Geological Survey. Huron, SD.