

WATER PERMIT NO. 8175-3

Name of Applicant: **Gayville-Volin School District 63-1**

Address: **Box 158, Gayville SD 57031** Phone: **605 267-4476**

Amount of Water Claimed: **26 gpm** Total Acres: **4 acres**

Source of Water Supply: **groundwater (one well)**

Water to be used for: **irrigation** County: **Yankton**

Type of Waste Disposal System:

Location: **northwest corner of Gayville**

PRIORITY Date Received: **7-17-15** Application/License Fee: **\$ 300**

Corrected Application Received: Period of Annual Use: **March – October 31**

Remarks: **Water practice football facility**

Diversion Point: **NE 1/4 NW 1/4 Sec 12-T93N-R54W**

Land to be Irrigated: **NE 1/4 NW 1/4 Sec 12-T93N-R54W**

Depth of Well: **115 feet deep**

Well Driller: **Hammond Wetmore Drilling LLC**

Remarks:

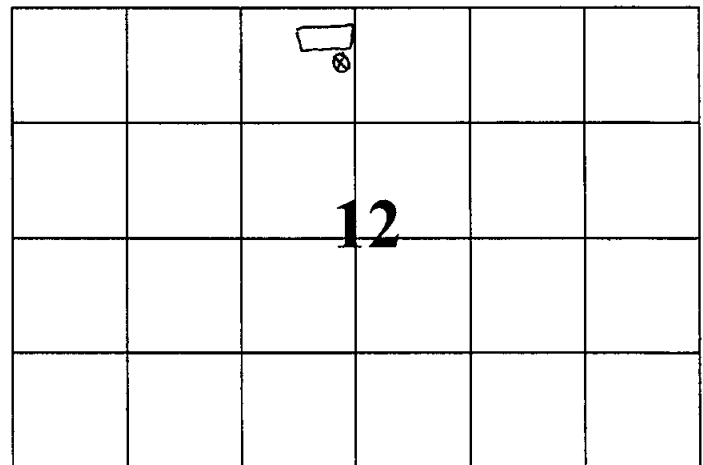
Type of Map: **aerial**

Prepared by:

Reviewed and the Number Assigned on: **7-21-15**

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	No. <u>8175-3</u>	(office use only) Hydrologic Unit <u>10170102</u>
	Basin <u>Vermillion River</u>	
	Newspaper <u>Daily Press & Dakotan</u>	
	<u>Yankton</u>	<u>605-665-7811</u>

RECEIVED

JUL 17 2015

WATER RIGHTS
PROGRAM

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 Gayville-Volin School District 63-1(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 100 Kingsburg St. Box 158 Gayville SD 57031

(Address)

(City)

(State)

(Zip Code)

Home Phone 605-267-4476 Cell ext. 102 Email alice.hight@k12.sd.us2. Amount of water claimed 0.058 *CFS or 26 **GPM ***AF Total Acreage 4

(*Cubic Feet per Second)

(**Gallons per Minute)

(***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Groundwater4. Location of point of diversion NE 1/4 NW 1/4 Sec 12 - T93N - R54W

(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)

County Yankton5. County or counties where water will be used Yankton6. Annual period during which water is to be used Spring - Fall March 1 - October 31

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.

(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4 NW 1/4 Sec 12 - T93N - R54W</u>	<u>3.5</u>		
<u>NW 1/4 NE 1/4</u>	<u>0.5</u>		

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

Dug a well to water practice facility for football.I, [Signature], 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. 8175-3**

Date of first receipt of application July 17, 2015.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8175-3 to Gayville-Volin School District 63-1, 100 Kingsbury St, Box 158, Gayville SD 57031 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. 8175-3 appropriates 0.058 cubic feet of water per second (26 gallons per minute) from one well completed into the Missouri:Elk Point Aquifer (115 feet deep) located in the NE 1/4 NW 1/4 Section 12 for irrigation of 4 acres of the practice football facility located in the NE 1/4 NW 1/4, NW 1/4 NE 1/4 Section 12; all in T93N-R54W.
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: March 1 – October 31.
3. The date from which applicant may claim right is July 17, 2015.
4. The date of approval of Permit No. 8175-3 is August 31, 2015.
5. One-fifth of the construction is to be completed on or before March 1, 2018.
6. All construction is to be completed on or before August 31, 2020.
7. Water is to be put to beneficial use on or before August 31, 2024.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

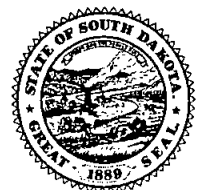
1. The well approved under Permit No. 8175-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate 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: *Jeanne Goodman*
Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

SEP 21 2015

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 Hammond Wetmore Drilling LLC
(if yes, please provide copies of logs)

b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Hammond Wetmore Drilling LLC

c) Well Depth 100 ft. Depth to Top of Water Bearing Material NA Depth to Water from Surface NA

d) Distance to nearest existing domestic well:

On applicant's property NA

On property owned by others NA

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)

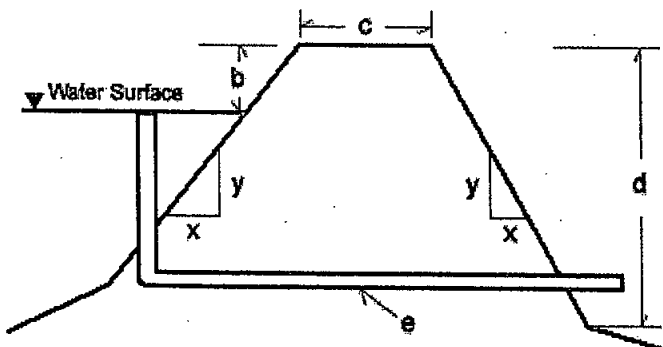
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



Gayvill Volin High School - Map for Water Permit Application



RECEIVED
JUL 17 2015
WATER RIGHTS
PROGRAM

Sec 2
T093N
R54W

Sec 1
T093N
R54W

Sec 6
T093N
R53W

Sec 11
T093N
R54W

Sec 12
T093N
R54W

Sec 7
T093N
R53W

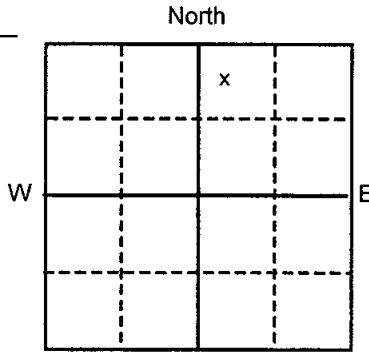
Sec 14
T093N
R54W

Sec 13
T093N
R54W

Sec 18
T093N
R53W

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location nw 1/4 ne 1/4 Sec 12 Twp 93n Rg 54wCounty YanktonPlease mark well
location with an "X"

Well Completion Date

9/30/14

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

PROPOSED USE:

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

METHOD OF DRILLING:

Direct Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>5.00</u> IN	<u>6.0</u> FT	<u>95.0</u> FT	<u>8.75</u> IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Bentonite</u>	<u>9</u>	<u>9.4</u> Lb/gal	<u>6.0</u> Ft	<u>90.0</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
Tremie method

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 5.00 Inches Length 20.0 FeetMaterial pvcSlot Size 0.40 Set From 95.0 Feet to 115.0 Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? HTH Tablets☐ No, Why Not?Lab to which water
quality sample sent for analysisWell Owner: Gayville Volin School District

Business Name:

Address: 100 Kingsbury StreetCity, State, Zip: Gayville SD 57031

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Silt, Tan	0	5
Sand, fine, gray	5	43
Sand, gray, thin bedded with silt/clay	43	85
Gravel, medium to coarse, sandy	85	115

STATIC WATER LEVEL 15.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

17.0 Ft. After 3.0 Hrs. pumped 25.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: 18.0 GPM

REMARKS

RECEIVED

APR 15 2015

WATER RIGHTS
PROGRAMThis well was drilled under license # 666 and this report is true and accurate.Drilling firm: Hammond Wetmore Drilling LLC

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 11/19/2014

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 7/21, 20 15

RECEIVED OF Gayville-Volin School Dist PO Box 158 Gayville SD 57031

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	100	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. _____	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	300 00

No. **07454**

By J. Lane Goodman Jr.
Chief Engineer



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

June 25, 2015

Gayville Volin School District
100 Kingsbury Street
Gayville SD 57031

Dear Sir:

A well driller's report filed by Hammond Wetmore Drilling LLC shows they completed a new well for the school last fall. The report indicates the well water will be used for irrigation. Based on the information in the report, it appears the school may need a water permit.

A water permit must be obtained for any water use except for reasonable, private domestic use. Reasonable domestic use is defined as use of less than 25,920 gallons per day with a maximum rate not to exceed 25 gallons per minute. Irrigation of more than one acre requires obtaining a water permit.

1. Also, as a new well owner, you need to be aware of some of your responsibilities. Enclosed is a copy of "Well Owner Responsibilities". Please review these responsibilities to ensure you are complying with all of the requirements.
2. Enclosed are application forms and an instruction sheet to apply for a water permit for irrigation. The completed forms with the application fee and map can be returned to the "Water Rights Program, 523 E Capitol, Pierre SD 57501.

If you believe this water use does not require a water permit or if help is needed completing the application forms, please contact Eric Gronlund at (605) 773-3352. We will be happy to assist you in any way possible.

Sincerely,

Karen Schlaak
Water Rights Program
karen.schlaak@state.sd.us

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8175-3, Gayville-Volin School District 63-1**

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. 8175-3, Gayville-Volin School District 63-1.

The Chief Engineer is recommending APPROVAL of Application No. 8175-3 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 Permit No. 8175-3 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.

Jeanne Goodman, Chief Engineer
August 13, 2015

**REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8175-3
GAYVILLE-VOLIN SCHOOL DISTRICT 63-1
JULY 31, 2015**

Water Permit Application No. 8175-3 proposes to appropriate water from the Elk Point management unit of the Missouri aquifer at a maximum diversion rate of 0.058 cubic feet of water per second (26 gallons per minute). This application proposes to complete a well approximately 115 feet deep, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T93N-R54W. This application proposes a permit to use water for the irrigation of four acres of the practice football facility located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ and the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 12, T93N-R54W.

**AQUIFER: ELK POINT MANAGEMENT UNIT OF THE MISSOURI AQUIFER
(M:EP)**

GEOLOGY AND AQUIFER CHARACTERISTICS:

The Missouri aquifer consists of unconsolidated glacial outwash deposits composed of fine sand to very coarse gravel. The Elk Point management unit of the Missouri aquifer underlies an estimated 210,100 acres of Yankton, Clay, and Union Counties, and contains an estimated 3,287,100 acre feet (ac-ft) of recoverable water in storage (Hedges and others, 1982). The aquifer is hydraulically connected to the Lower Vermillion Missouri and Lower James Missouri aquifers to the north, and often directly overlies the Dakota aquifer. Analyses of water-level measurements and chemical analyses indicate a hydraulic connection between the Dakota and Missouri: Elk Point aquifers (Niehus, 1994). Lower results for specific conductance shown in water analysis of wells in the southern part of the aquifer probably are the result of good hydraulic connection with the Missouri River (Niehus, 1994). The Missouri: Elk Point aquifer is also hydraulically connected to the Vermillion and the Big Sioux Rivers. Water in the aquifer generally moves from the northwest to the southeast and towards the Missouri River (Stephens, 1967). The Missouri: Elk Point aquifer is predominately under water table conditions (Water Rights, 2015a), although confined conditions occur where the outwash is buried (Stephens, 1967).

The well this application intends to use as a supply was completed September 30, 2014. The completion report submitted for the well indicates the well was constructed in accordance with the SD Well Construction Standards (Administrative Rules of South Dakota (ARSD) 74:02:04). The well log identifies at least 100 feet of saturated thickness, a specific capacity of 12.5 gallons per minute per foot of drawdown, and a September 30, 2014, static water level of 15 feet below grade.

SOUTH DAKOTA CODIFIED LAW (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. 8175-3 proposes to appropriate water for the irrigation of four acres. If this water permit is approved, the average annual water use that can be expected under the appropriation is estimated to be less than eight 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 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." If the source of the water is older or lower than the Greenhorn Formation and a water distribution system has applied for a permit, the Board need not consider the recharge/withdrawal issue. Here, a water distribution system is not involved and the aquifer is not older or lower than the Greenhorn Formation therefore withdrawal/recharge issue must be considered.

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 in addition to other data to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.

The SD DENR-Water Rights Program monitors 37 observation wells completed into the Missouri: Elk Point aquifer. Four of these observation wells: YA-80JA, YA-78J, YA-80KA, CL-80A are located in the vicinity of the well site proposed by this application. Hydrographs for these observation wells, which are representative of the aquifer, are shown in Figures 1-4. The observation well data documents the climatic influence on the aquifer. Water levels in the aquifer rise during wet periods where recharge to the aquifer exceeds withdrawal, and water levels decline during dry periods when withdrawals from the aquifer exceed recharge. The influence of the stage of the area rivers is evident in the hydrographs. For example, 2011 flooding in the Missouri River is particularly evident in observation wells YA-78KA and YA-78J (see Figures 2 and 3). In general, hydrographs of observation wells completed into the Missouri: Elk Point aquifer show a slight decline in the water table over the period of record. This has been attributed to entrenching of the Missouri River and a strong hydraulic connection between the aquifer and the river (Goodman, 2007). At the current level of development, the temporal effects of pumping are masked by climatic conditions and the strong hydraulic connection between the aquifer and the Missouri River and climatic conditions. This shows that the hydrographs are dominated by natural conditions, and water is available for capture. Therefore, there is a reasonable probability that there is water available to support this application.

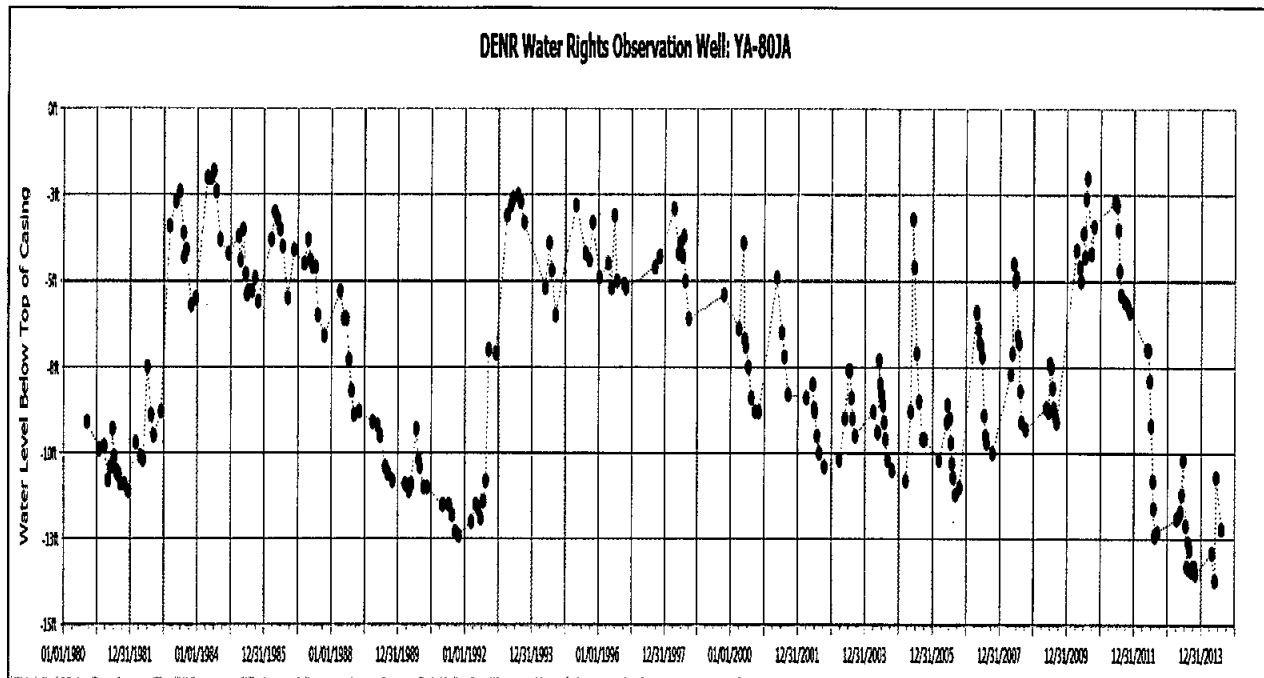


Figure 1. Hydrograph for observation well YA-80JA which is located approximately five miles northwest of the well site proposed by this application.

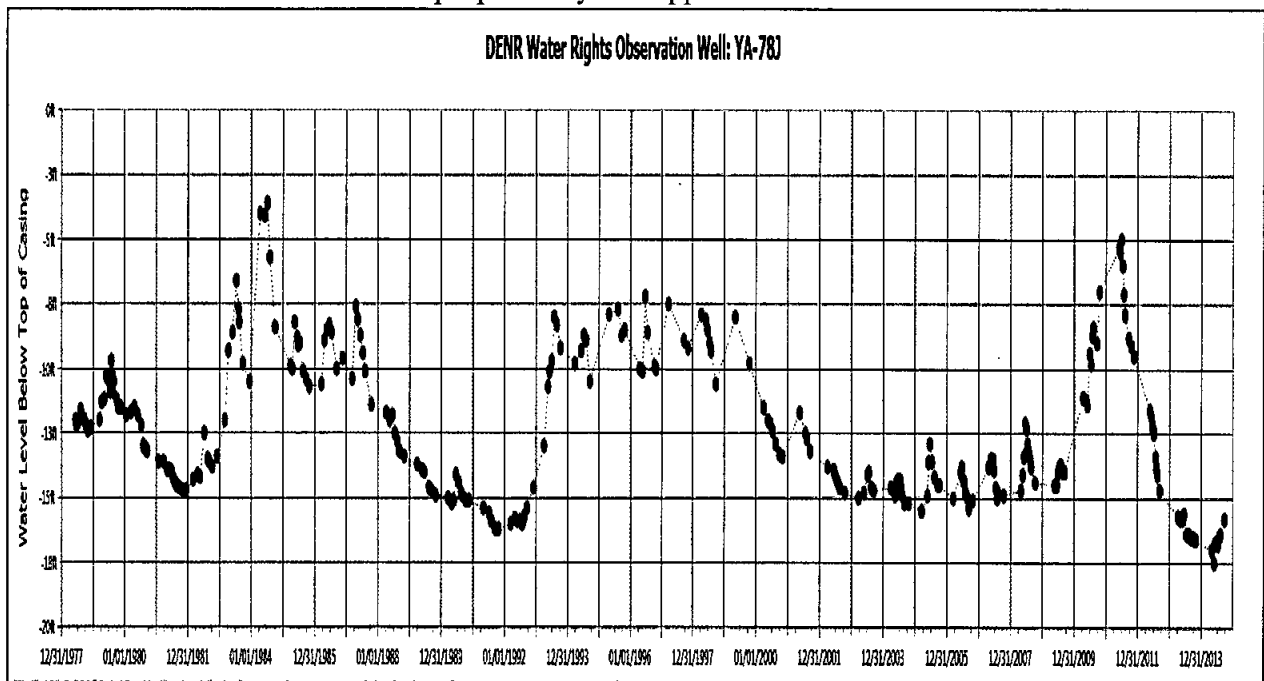


Figure 2. Hydrograph for observation well YA-78J which is located approximately three and one-half miles west of the well site proposed by this application.

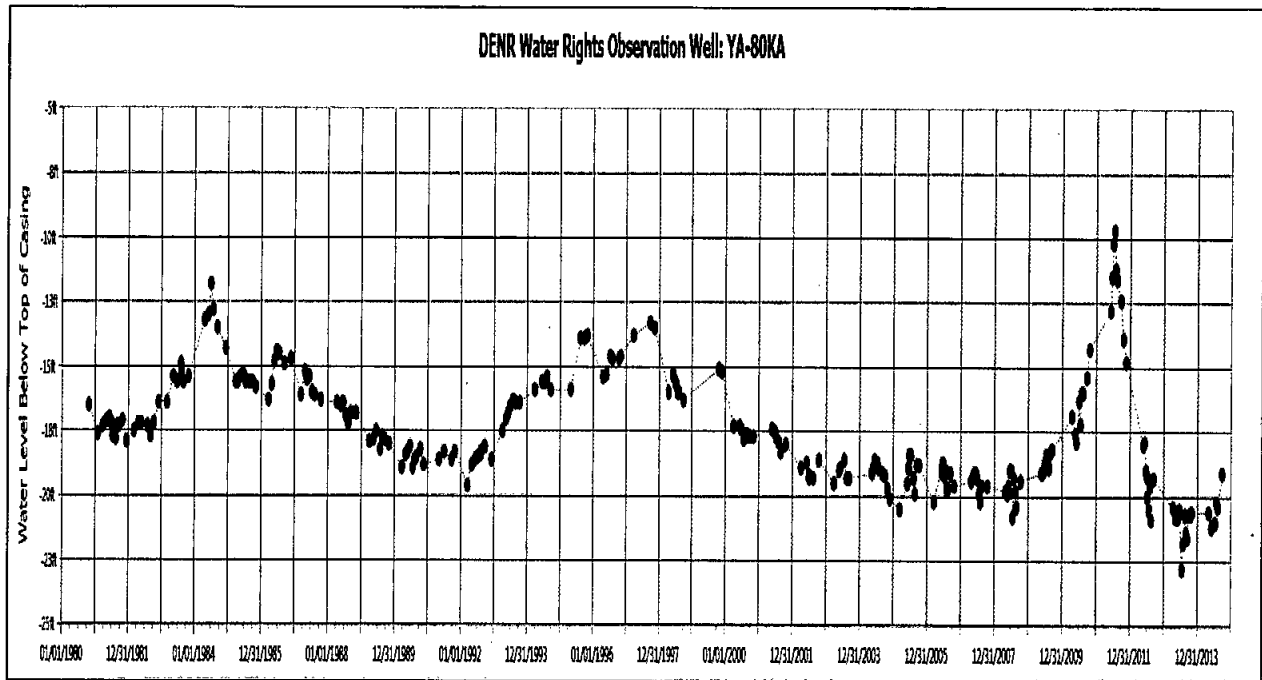


Figure 3. Hydrograph for observation well YA-80KA which is located approximately four and one-half miles west of the well site proposed by this application.

a

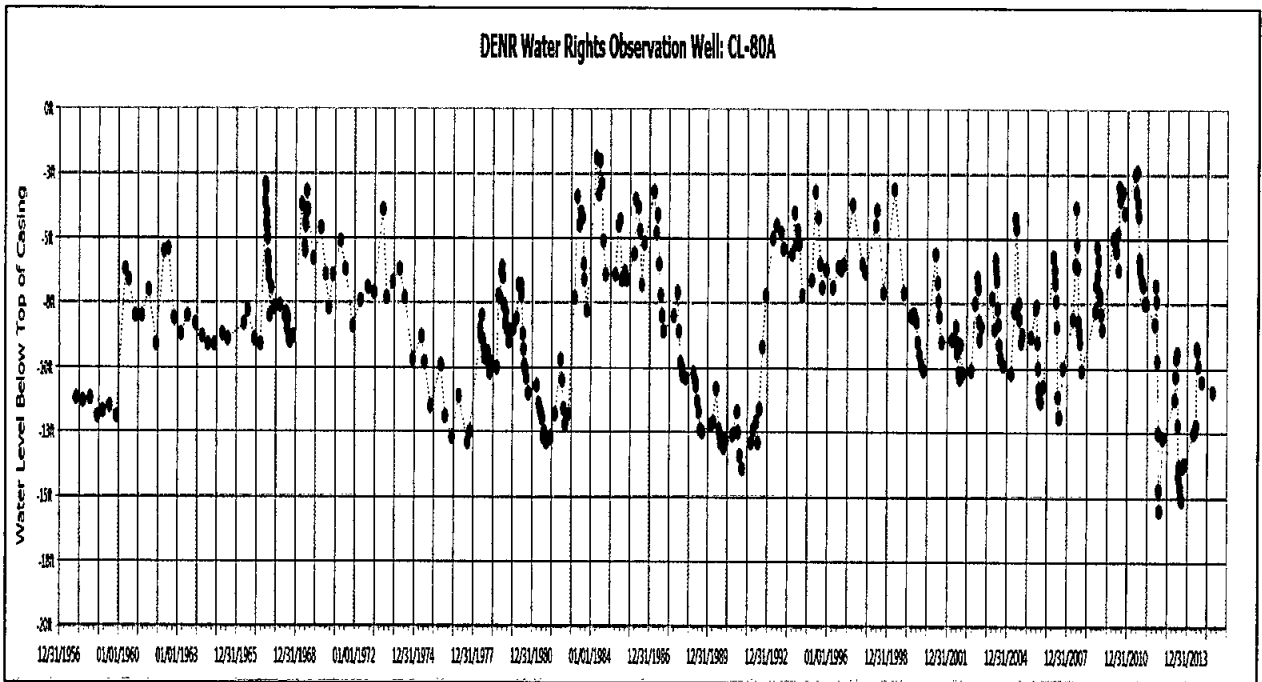


Figure 4. Hydrograph for observation well YA-80A which is located approximately three and one-half miles west of the well site proposed by this application.

Recharge versus Discharge:

Recharge to the Missouri: Elk Point aquifer occurs through infiltration of precipitation, streamflow losses, and groundwater inflow from other aquifers (Bugliosi, 1986). Withdrawals from the aquifer are through well withdrawals, outflow to the Missouri, the Vermillion and the Big Sioux Rivers when the aquifer water table is higher than the river stage; and evapotranspiration where the aquifer is at or near the ground surface (Niehus, 1994; Bugliosi, 1986; and Stephens, 1967). A hydrologic budget for the Missouri: Elk Point aquifer was developed based on the appropriations from the aquifer as of June 24, 2013 (Stonesifer, 2013). Water rights/permits and future use permits at the time account for an expected withdrawal of 81,108 ac-ft/yr, which includes expected use of new irrigation water permits. Recharge to the aquifer is estimated to be at least 91,964 ac-ft/yr, which considers induced recharge. Therefore, approximately 10,856 ac-ft/yr of unappropriated water was available at that stage of development (Stonesifer, 2013).

Since June 24, 2013, there have been 26 new water permits issued and two water permits (Nos. 7074A-3 and 7009A-3) reinstated, appropriating water from the Missouri: Elk Point aquifer. Two water permit applications remain deferred from the aquifer. Applying the historic average pumpage to appropriation ratio for developed water rights/permits, (approximately 14%); to irrigation permits issued since June 24, 2013, results in an expected average annual pumpage of an estimated 868 acre-feet annually (Kilts, 2015). Appropriations approved since June 24, 2014, for other uses are expected to result in an average annual withdrawal of approximately 440 acre-feet annually. Considering permits approved or reinstated since June 24, 2013, and applications remaining in deferred status, the average annual withdrawal that can be expected from the Missouri: Elk Point aquifer at the current level of appropriation is estimated to be approximately 1,437 acre-feet per year greater than the June 24, 2013 estimate. Therefore, average annual withdrawals can be expected to be approximately 9,420 acre-feet per year less than the potential average annual recharge to the aquifer, and there is a reasonable probability that unappropriated water is available to supply this proposed appropriation (eight acre-feet annually).

EXISTING WATER RIGHTS:

Currently, there are 601 water permits/rights appropriating water from the Missouri: Elk Point aquifer in addition to five future use permits and two deferred applications (Water Rights, 2015b). There are five water rights/permits appropriating water from the aquifer within approximately five miles of the well this application is proposing to use (see Figure 5). Note that the Town of Gayville is supplied by Clay RWS (Friedeman, Barb. Personal interview. 3 Aug. 2015), and their wells are maintained as standby/emergency uses. In addition to wells supplying appropriative rights, there are a number of domestic use wells on file with the DENR-Water Rights Program in the vicinity of this proposed well site.

If Water Permit Application No. 8175-3 is approved, the drawdown that will result from pumping this well is not expected to be significant. Since the aquifer is under unconfined conditions and is relatively thick, adequate wells in the area will not be adversely affected.

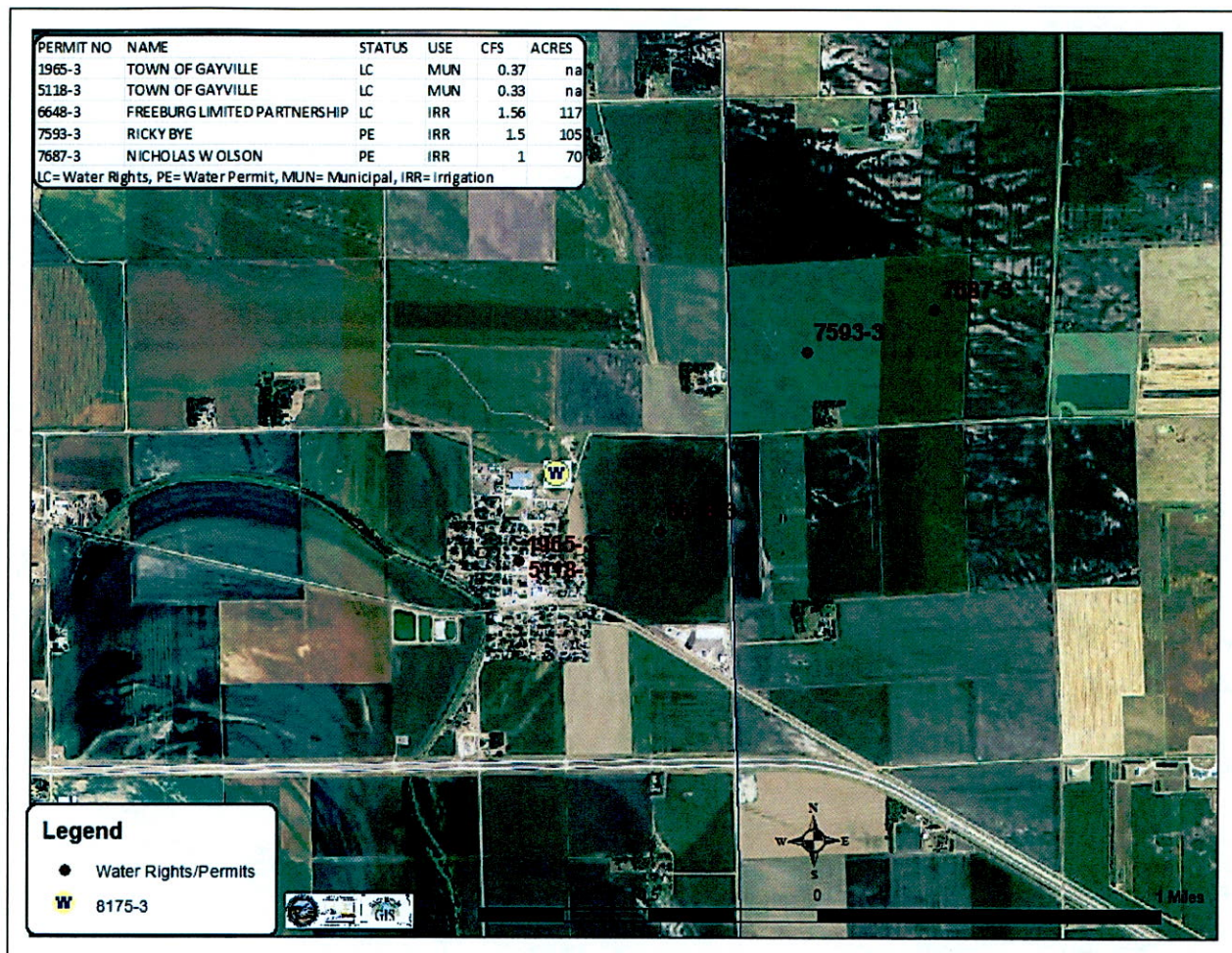


Figure 5. Approximate location of diversion points for water rights/permits appropriating water from the Missouri: Elk Point aquifer within approximately 1.5 miles of the well site proposed by Application No. 8175-3.

CONCLUSIONS:

1. Water Permit Application No. 8175-3 proposes to withdraw groundwater from one well completed into the Missouri: Elk Point aquifer at a maximum rate of 0.058 cfs.
2. Water Permit Application No. 8175-3 proposes to use water to irrigate a total of four acres.
3. There is a reasonable probability that unappropriated water is available from the Missouri: Elk Point aquifer to supply the proposed appropriation.
4. The diversion rate is not expected to adversely impair nearby adequate wells.
5. Annual usage is not to exceed eight ac-ft.



Ken Buhler

SD DENR-Water Rights Program

REFERENCES

- Bugliosi, E. F., 1986, Water Resources of Yankton County, South Dakota: U.S. Geological Survey Water-Resources Investigations Report 84-4241, 41 p.
- Goodman, J. A., 2007, Report on Water Permit Application No. 6869-3: For Lewis and Clark RWS: SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Hedges, L.S., Burch, S. L., Iles, D. L., Barari, R. A., and Schoon, R. A., 1982, Evaluation of Ground-Water Resources 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.
- Niehus, C. A., 1994, Water Resources of Lincoln and Union Counties, South Dakota: USGS Water Resources Investigations Report 93-4195, 57 p.
- Stonesifer, J. R., 2013, Water Availability of the Missouri: Elk Point Aquifer: SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights, 2015a Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.
- Water Rights, 2015b, Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights, 2015c, Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

RECEIVED

AUG 26 2015

WATER RIGHTS
PROGRAM

AFFIDAVIT OF PUBLICATION

YANKTON DAILY PRESS AND DAKOTAN

8+21

NOTICE OF APPLICATION NO.
8175-3 to Appropriate Water

Department of Environment and Natural Resources
Water Rights Program
523 E Capitol Ave
Pierre, SD 57501

STATE OF SOUTH DAKOTA
COUNTY OF YANKTON

KELLY HERTZ BEING FIRST DULY SWORN ON OATH DEPOSES
AND SAYS THAT HE IS THE **MANAGING EDITOR** OF, YANKTON
MEDIA INC, A CORPORATION, THE PRINTER AND THE PUBLISHER OF THE
YANKTON DAILY PRESS AND DAKOTAN, A LEGAL DAILY NEWSPAPER
PUBLISHED AND CIRCULATED IN THE CITY OF YANKTON, SAID COUNTY
AND STATE, AND ONE OF THE OFFICIAL NEWSPAPERS OF THE SAID
COUNTY OF FACTS STATED IN THIS AFFIDAVIT; THAT THE ANNEXED
Notice of Application No 8175-3

TAKEN FROM THE PAPER, IN WHICH IT WAS LAST PUBLISHED IN THE
NEWSPAPER ON THE 21st DAY OF August 2015
THAT THE FULL AMOUNT OF THE FEE CHARGED FOR THE PUBLICATION
OF SAID **NOTICE** TO WIT \$23.31 ENSURES TO THE
BENEFITS OF THE PUBLISHER OF SAID NEWSPAPER AND THAT NO
AGREEMENT AND 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.

PUBLISHED ON: 8/21/2015

FILED ON: 8/21/2015

SUBSCRIBED AND SWORN TO BEFORE ME THIS 21st DAY OF August

2015

NOTARY PUBLIC, SOUTH DAKOTA

MY COMMISSION EXPIRES 8/19/2021

Notice is given that Gayville-Volin School District 63-1, Box 158, Gayville SD 57031 has filed an application for a water permit to appropriate 0.058 cubic feet of water per second (26 gallons per minute) from one well completed into the Missouri Elk Point Aquifer (115 feet deep) located in the NE 1/4 NW 1/4 Section 12 for irrigation of 4 acres of the practice football facility located in the NE 1/4 NW 1/4, NW 1/4 NE 1/4 Section 12; all in T93N-R54W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8175-3 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 August 31, 2015.

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. Pirmer, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of \$23.31.

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, August 13, 2015 2:04 PM
To: 'Tera Schmidt'
Subject: 8175-3, Gayville-Volin School
Attachments: 8175-3public.short.docx; FORM8 FRM.doc

Attached is a notice to be published on August 21, 2015.

Gayville-Volin School District 63-1, Box 158, Gayville SD 57031 (605 267-4476) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
Water Rights Program
523 E Capitol Ave
Pierre SD 57501
Phone: 605 773-3352



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

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

August 13, 2015

Gayville-Volin School District 63-1
Box 158
Gayville SD 57031

Dear Sir:

Water Permit Application No. 8175-3 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 Press & Dakotan printed at Yankton SD (Ph # 605-665-7811). 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 August 21, 2015. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 8175-3 to Appropriate Water

Notice is given that Gayville-Volin School District 63-1, Box 158, Gayville SD 57031 has filed an application for a water permit to appropriate 0.058 cubic feet of water per second (26 gallons per minute) from one well completed into the Missouri:Elk Point Aquifer (115 feet deep) located in the NE 1/4 NW 1/4 Section 12 for irrigation of 4 acres of the practice football facility located in the NE 1/4 NW 1/4, NW 1/4 NE 1/4 Section 12; all in T93N-R54W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8175-3 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 August 31, 2015.

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

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

denr.sd.gov

SEP 21 2015

Gayville – Volin School District 63-1
100 Kingsbury St
Box 158
Gayville SD 57031

Dear Sir:

Enclosed is Water Permit No. 8175-3 authorizing construction of the 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,

Jeanne Goodman, Chief Engineer
Water Rights Program
(605) 773-3352

Enclosures

RECEIVED
SEP 28 2015
WATER RIGHTS
PROGRAM

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

Date 9-24-15

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

FROM: Gayville-Volin School Dist 63-1
(name)
100 Kingsbury St. PO Box 158
(address)
Gayville, SD 57031 605 267-4476
(city, state, zip) (phone)

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

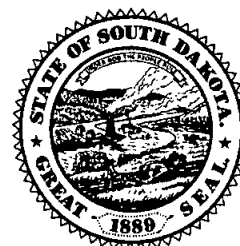
Water Permit No. 8175-3 states that the water use system is to be constructed by
8-31-2020, and water is to be put to beneficial use by 8-31-2024.
(date) (date)

The water use system was completed on 03/02/2015.
(date)

Applying the water to beneficial use was completed on 04-22-2015.
(date)

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

Alice Hight
(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

September 28, 2015

8175-3

Alice Hight
Gayville-Volin School District 63-1
PO Box 158
Gayville SD 57031

Dear Ms. Hight:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know the school is completed with the water use system authorized under Water Permit No. 8175-3.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

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