

WATER PERMIT NO. 8186-3

Name of Applicant: Oak Lane Colony

Address: 26730 423rd Ave, Alexandria SD 57311 Phone: 605 825-4296

Amount of Water Claimed: 0.167 cfs Total Acres: NA

Source of Water Supply: groundwater (2 wells)

Water to be used for: commercial County: Hutchinson

Type of Waste Disposal System:

Location: 9 miles northeast of Parkston

PRIORITY Date Received: 10-14-15 Application/License Fee: \$ 700

Corrected Application Received: Period of Annual Use: January 1 – December 31

Remarks: swine confinement facility

Diversion Point: N 1/2 NW 1/4 Section 7-T100N-
R58W

Land to be Irrigated: NA

Depth of Well: 582 and 442 feet deep

Well Driller: Dave Putzke Well Drilling &
Repair

Remarks:

Type of Map: plat

Prepared by:

Reviewed and the Number Assigned on: 10-14-15

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

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

(office use only)
No. 8186-3 Hydrologic Unit 10160011
Basin James River
Newspaper Parkston Advance 605-928-3111
Public Opinion 605-996-5514

RECEIVED
OCT 14 2015
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Suburban Housing	☐ Recreational	☐ Institutional
☐ Rural Water System	☒ Commercial	☐ Fish & Wildlife	☐ Geothermal Heat
☐ Domestic (over 18 gpm)	☐ Industrial	☐ Other	

Type of Application: (check one)

☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

1. Name to Appear on Water Permit OAK LANE COLONY

(check one) ☒ Owner ☐ Tenant/lessee ☐ Owner's Legal Agent

(name and complete address if different than above name)

Mailing Address 26730 423RD AVENUE ALEXANDRIA SD 57311
(Address) (City) (State) (Zip Code)

Home Phone (605) 825-4296 Cell (605) 770-8900 Email _____

2. Amount of water claimed 0.167 *CFS or 75 **GPM 55 ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply 2 WELLS IN QUARTZITE WASH/QUARTZITE

4. Location of point of diversion NW 1/4 SECTION 7 T100N R58W County HUTCHINSON
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☒ No

If "Yes," where will water be used? _____

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used HUTCHINSON

6. Annual period during which water is to be used JANUARY 1 TO DECEMBER 31

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

WATER SUPPLY FOR CONCENTRATED ANIMAL FEEDING OPERATION (SWINE)

I, Mike D. [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. 8186-3**

Date of first receipt of application October 14, 2015.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8186-3 to Oak Lane Colony, c/o Jake D Wipf, 26730 423rd Ave, Alexandria SD 57311 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. 8186-3 appropriates 0.167 cubic feet of water per second (55 acre feet per year) from two wells completed into the Sioux Quartzite Aquifer (582 and 442 feet deep) for a swine confinement facility all located in the N 1/2 NW 1/4 Section 7-T100N-R58W.
2. The water appropriated shall be used for the purpose of commercial use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 8186-3 is December 28, 2015.
5. The date from which applicant may claim right is October 14, 2015.
6. One-fifth of the construction is to be completed on or before June 28, 2018.
7. All construction is to be completed on or before December 28, 2020.
8. Water is to be put to beneficial use on or before December 28, 2024.
9. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

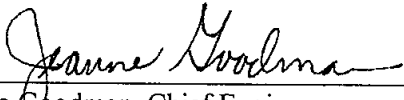
QUALIFICATIONS

1. The wells 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. Permit No. 8186-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
3. Permit No. 8186-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
 - a) Chapter 74:54:01 Ground Water Quality Standards,
 - b) Chapter 74:54:02 Ground Water Discharge Permit,
 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions
4. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Sioux Quartzite Aquifer.

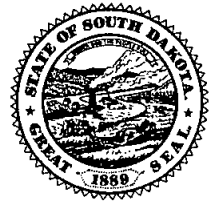
(continued)

5. Water Permit No. 8186-3 authorizes a total annual diversion of 55 acre feet of water.

WATER MANAGEMENT BOARD

By: 
Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JAN 29 2016
date



1. Well Information

(check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

- a) If new wells, how many 2 Have test holes been drilled ☒ Yes ☐ No Drilled by DANE PUTZKE WELL DRILLING
(if yes, please provide copies of logs)
- b) If existing wells, how many _____ Provide copy of log(s), if available. Drilled by _____
- c) Well Depth 582' Depth to Top of Water Bearing Material 232' Depth to Water from Surface 92'
- d) Distance to nearest existing domestic well:
- | | | | |
|-------------------------|--------------|-----------------------------|-------------------|
| On applicant's property | <u>1200'</u> | On property owned by others | <u>6300' est.</u> |
|-------------------------|--------------|-----------------------------|-------------------|

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 _____

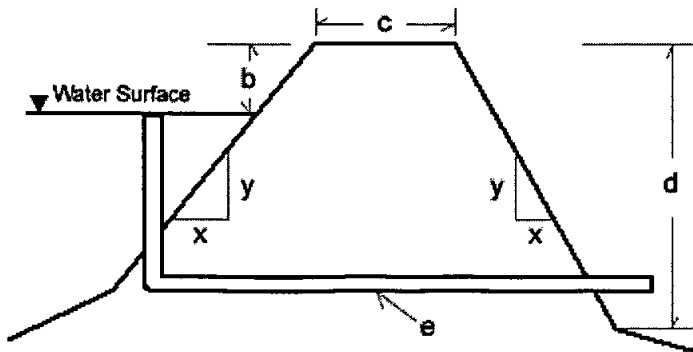
3. Dugout Information

- 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:

[illegible]

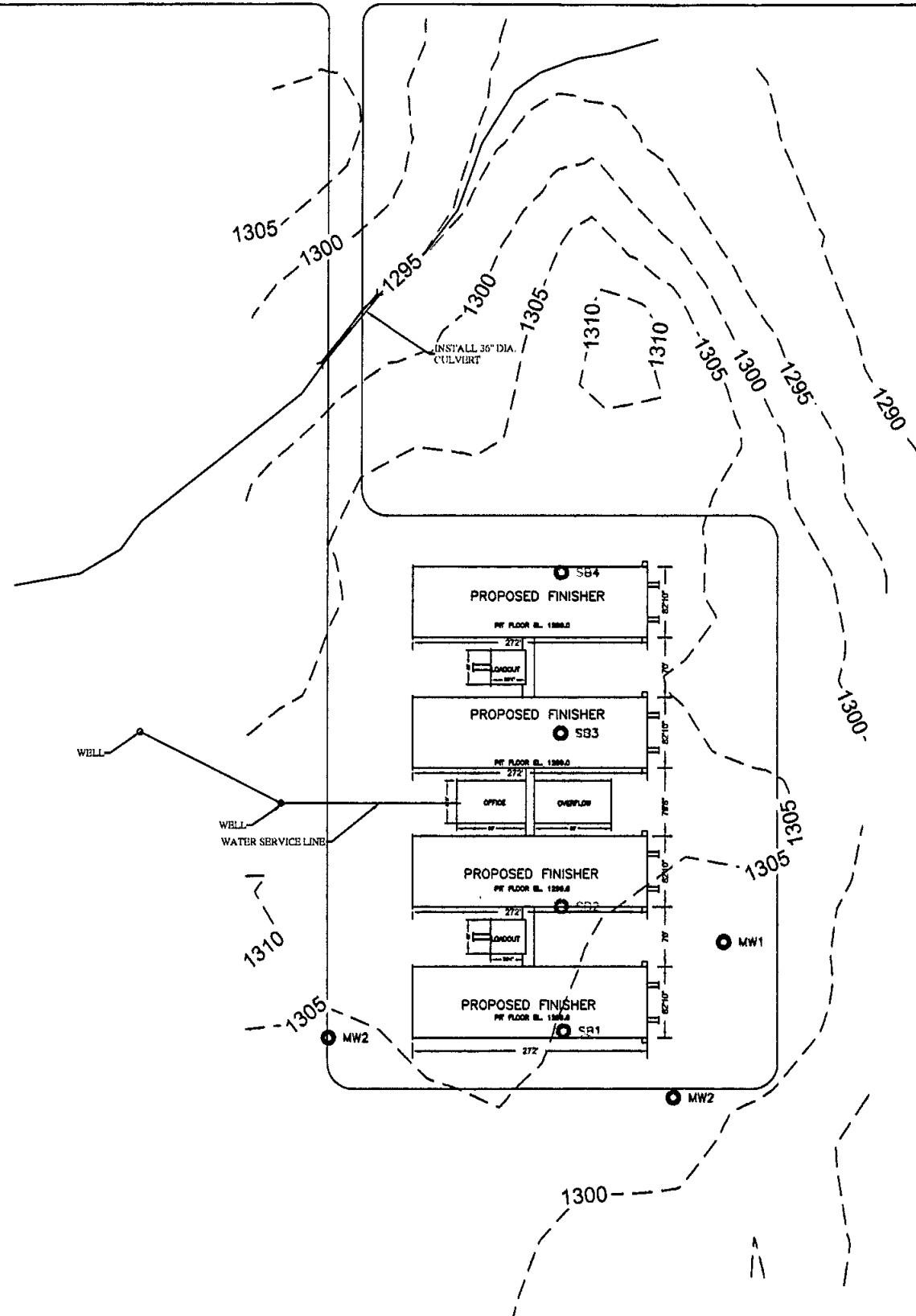
- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope (e.g. 3 to 1 is a typical slope)
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acre Feet
- j) Drainage Area Above Dam _____ Acres

268TH ST.

SE CORNER SECTION 35 T101N R58W

SECTION 7 T100N R58W

NORTH



PROPOSED FINISHER SITE PLAN

OAK LANE COLONY AWMS

DAKOTA ENVIRONMENTAL CONSULTANTS INCORPORATED



JOB NO:

23020

SCALE:

1"=180'

DWG:

3

3	5/28/15	WATER SERVICE	TB	BF
2	4/16/15	AS-BUILT CONFIGURATION	TB	BF
REV.	DATE	DESCRIPTION	BY	CHKD
DATE:	4/28/14	DRAWN: RR	CHECKED:	BF

P.O. BOX 636 HURON, SD 57350 605-352-5610

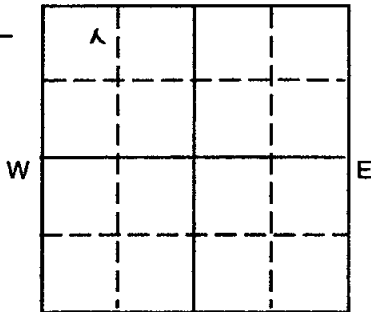
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location 1/4 W 1/4 Sec 7 Twp 100 Rg 58County Hanson

North

Please mark well location with an "X"



Well completion Date

7-10-15

1 Mile

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

? 300 ft. from Hog (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>19.1</u> LB/FT	<u>6</u> IN	<u>0</u> FT	<u>240</u> FT	<u>10</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
		Lb/gal	Ft	Ft
		Lb/gal	Ft	Ft

Describe grouting procedure Hyds of Slurry pumped w/ Drilling Rig

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

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 _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How?

☐ No, Why Not?

Lab sample sent to for water quality analysis

Well Owner:

Ookharve Colony

Business Name:

Address:

26730 - 423rd Ave

City, State, Zip:

Alexandria SD 57311

WELL LOG:

DEPTH

FORMATION

FROM

TO

TOP Soil02yellow clay260Blue clay60240Granite240442

STATIC WATER LEVEL

92

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:

AIR
☐ Bailed

☐ Other

Pumping Level Below Land Surface

Ft. After

Hrs. pumped

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

This well was drilled under license #

439

And this report is true and accurate.

Drilling firm:

Dave Putzke well Drilling & Repair

Signature of License Representative:

Dave Putzke

Signature of Well Owner or Equitable Property Holder:

Date:

Please return WHITE COPY to: DENR Water Rights

523 E Capitol Ave.

Pierre SD 57501

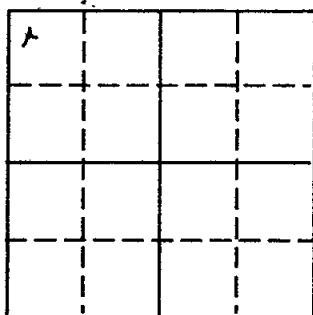
SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 Sec 7 Twp 100 Rg 58County Hanson

North

Please mark well location with an "X"



Well completion Date

6-30-15

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

? 180 ft. from Hog (identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>19.11 LB/FT</u>	<u>6 IN</u>	<u>12 FT</u>	<u>232 FT</u>	<u>10 IN</u>
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
		Lb/gal	Ft	Ft
		Lb/gal	Ft	Ft

Describe grouting procedure Hyds of Slurry pumped w/ Drilling Rig

SCREEN:

☐ Perforated pipe ☐ Manufactured

Diameter _____ Inches Length _____ Feet

Material _____

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

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How?
5 gallons of chlorine pumped

Lab sample sent to for water quality analysis

☐ No, Why Not?

Well Owner:

Oak Lane Colony

Business Name:

Address:

26730 - 423rd Ave

City, State, Zip:

Alexandria SD 57311

WELL LOG:

DEPTH

FORMATION

FROM

TO

Top soil02Yellow clay260Blue clay60232Granite232582

STATIC WATER LEVEL

92

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:

AIR
☐ Bailed

☐ Other

Pumping Level Below Land Surface

Ft. After

Hrs. pumped

GPM

Ft. After

Hrs. pumped

GPM

If pump installed, pump rate:

GPM

REMARKS

This well was drilled under license #

439

And this report is true and accurate.

Drilling firm:

Dave Putzke Well Drilling & Repair Inc.

Signature of License Representative:

Dave Putzke

Signature of Well Owner or Equitable Property Holder:

Date:

Please return WHITE COPY to: DENR Water Rights

523 E Capitol Ave.

Pierre SD 57501

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 10/15, 20 15

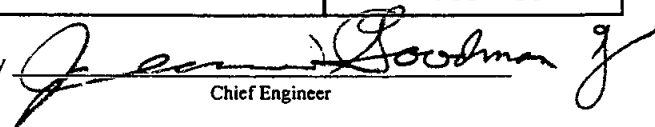
RECEIVED OF Oak Lane Colony 26730 423rd Ave Alexandria SD 57311

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

Fee for Application for Permit No. <u>8186-3</u> to Appropriate Water, to construct and to put water to beneficial use	500	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>8186-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	700 00

No. 07500

By


Chief Engineer

Entity Detail File Annual Report Statement of Change Forms

Name **OAK LANE HUTTERIAN BRETHREN, INC.** [Obtain a Certificate of Good Standing](#)
 Corporate ID **NS008503**
 Incorporation/Qualification Date **3/26/1987**

Home State **SOUTH DAKOTA**
 Status **Good Standing**
 Last Annual Report **2015**
 Corporation Type **Domestic Nonprofit**
 Stock Info

Registered Agent Documents Officers

Year	Director	Officer Type	First	Middle	Last	Address	City	State	Zip	Country
2015	☒	President	JAKE	D	WIPF	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☒	Vice President	MIKE		WIPF	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☒	Secretary	JOHN	D	WIPF	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☒	Treasurer	JOHN	D	WIPF	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☐	Director	MICHAEL		GROSZ	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☐	Director	TOBIAS		WIPF	26730 423RD AVE	ALEXANDRIA	SD	57311	
2015	☐	Director	MIKE	P	GROSZ	26730 423RD AVE	ALEXANDRIA	SD	57311	

Gronlund, Eric

From: Brian Friedrichsen <brian@dakotaenv.com>
Sent: Monday, November 30, 2015 10:07 AM
To: Gronlund, Eric
Subject: Re: Oaklane Colony

No, I missed a conversion. Make that 54.32 acre-feet per year.

Too much turkey.

BF

On Mon, Nov 30, 2015 at 10:00 AM, Gronlund, Eric <Eric.Gronlund@state.sd.us> wrote:

Brian - the application requests 0.167 cfs (75 gpm) combined from the two well. That equates to 120.9 ac-ft/yr if pumping occurs continuously. Are you missing a decimal place?

From: Brian Friedrichsen [<mailto:brian@dakotaenv.com>]
Sent: Monday, November 30, 2015 9:38 AM

To: Gronlund, Eric
Subject: Re: Oaklane Colony

Eric,

finally got a couple quiet days to look this over. Based on the number of head on site, and the estimated demand as affected by weather conditions over the span of a year, as well as other estimated usage (cooling, heating boilers, cleaning, etc.), I estimate a annual usage of 406 acre feet.

Please let me know if anything additional is needed, and thanks for your patience.

Brian

On Thu, Nov 12, 2015 at 3:04 PM, Brian Friedrichsen <brian@dakotaenv.com> wrote:

Eric,

sorry, it got swept under the rug during other messes. I can try to estimate something within a couple days.

Brian

On Thu, Nov 12, 2015 at 2:59 PM, Gronlund, Eric <Eric.Gronlund@state.sd.us> wrote:

Any word yet. The engineer was starting his review and ask if there was an annual volume number yet.

From: Brian Friedrichsen [<mailto:brian@dakotaenv.com>]

Sent: Monday, November 02, 2015 10:41 AM

To: Gronlund, Eric

Subject: Re: Oaklane Colony

Eric,

haven't forgot about this, just haven't been able to get a meeting arranged, they are trying to finish harvest and haven't had much time.

BF

On Fri, Oct 16, 2015 at 11:36 AM, Brian Friedrichsen <brian@dakotaenv.com> wrote:

Eric,

we should be able to get a number figured, but will probably have to meet with them to work out a month by month estimate based on weather, will try to soon.

Brian

On Thu, Oct 15, 2015 at 4:27 PM, Gronlund, Eric <Eric.Gronlund@state.sd.us> wrote:

Brian:

DENR received Oaklane Colony's water permit application to appropriate water from two wells in the N ½ NW ¼ Section 7, T100N, R58W of Hutchinson County to supply a swine facility. Dakota Environmental prepared the map so I am emailing you initially. Please let me know if DENR should be contacting Oaklane Colony directly to answer the question below.

The application requests to appropriate 75 gpm. In addition to quantifying a water permit based on peak diversion rate, DENR has begun requiring quantification of the peak annual volume in acre feet. Realizing that Oaklane does not pump continuously, what is a fair estimate on the annual peak volume of water needed annually for the facility. The estimate should be reasonable but also recognize that this would be the peak volume needed in a warm year when water use would be greatest.

Thanks,

Eric Gronlund

Water Rights Program, DENR

605 773-3352

Eric.gronlund@state.sd.us

--

Brian Friedrichsen

Dakota Environmental



**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. 8186-3, Oak Lane Colony**

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. 8186-3, Oak Lane Colony, c/o Jake Wipf, 26730 423rd Avenue, Alexandria SD 57311.

The Chief Engineer is recommending APPROVAL of Application No. 8186-3 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, 4) it is in the public interest with the following qualifications:

1. The wells 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. Permit No. 8186-3 is subject to compliance with requirements of the Department's Water Pollution Control Permit issued pursuant to SDCL 34A-2-36 or 34A-2-112 for concentrated animal feeding operations.
3. Permit No. 8186-3 is subject to compliance with all existing and applicable Water Management Board Rules including but not limited to:
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 - c) Chapter 74:51:01 Surface Water Quality Standards,
 - d) Chapter 74:51:02 Uses Assigned to Lakes,
 - e) Chapter 74:51:03 Uses Assigned to Streams, and
 - f) Chapter 74:52:01 through 74:52:11 Surface Water Discharge Provisions
4. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Sioux Quartzite Aquifer.
5. Water Permit No. 8186-3 authorizes a total annual diversion of 55 acre feet of water.

See report on application for additional information.


Jeanne Goodman, Chief Engineer
December 7, 2015

**REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8186-3**

Water Permit Application No. 8186-3 proposes to appropriate water from two wells completed into the Sioux Quartzite aquifer, 582 and 442 feet deep respectively. The existing wells are located in the N½ NW¼ Sec. 7, T100N-R58W. If approved, this water permit will authorize a maximum diversion rate of 0.167 cubic feet of water per second (cfs) (approximately 75 gallons per minute). Water from the wells is to be used for commercial use in a swine confinement facility.

AQUIFER: Sioux Quartzite (SOUX)

GEOLOGY AND AQUIFER CHARACTERISTICS:

Depending on the author, the Sioux Quartzite is often not considered an aquifer, or at best, is considered a minor aquifer (Niehus, 1997 and McCormick, 2007). However, hundreds of wells have been successfully completed into the Sioux Quartzite. The Sioux Quartzite is a Precambrian-aged ortho-quartzite (i.e. a sedimentary formation composed of massive, pink and red colored quartz sand cemented to a non-porous quartzite with silica) (Baldwin, 1949). Except for the places where the quartzite is interbedded with mudstone and poorly cemented sand, the primary (intergranular) porosity of the rock is generally extremely low. Water is transmitted to wells through secondary porosity and permeability features (i.e. joints and fractures). Since the orientation and density of joints or fractures in the rock are difficult to predict, the aquifer characteristics of the quartzite are site specific and highly variable. Although the Sioux Quartzite is expected to be several thousand feet thick, the depth and development of the fracture system in the Sioux Quartzite is unknown, and water-supply wells commonly penetrate the quartzite to a depth of 200 feet or less. The South Dakota Water Well Completion Reports submitted with this application for the existing wells that are to be used, identify the top of the quartzite at 232 and 240 feet below grade respectively. However, mapping of the Precambrian surface (McCormick, 2010) shows the depth to the quartzite can change rapidly within a short distance. Pre-glacial streams incised numerous irregular valleys on the quartzite surface resulting in a craggy and rugged upper surface (Baldwin, 1949). The completion reports for the wells that are to be used to supply this appropriation indicate the quartzite is overlain by glacial till at the well sites. Nearby, glacial outwash, the Niobrara, Codell, Dakota or Quartzite wash aquifers overly and are hydrologically connected to the Sioux Quartzite.

Where the Sioux Quartzite is an aquifer, it is commonly under unconfined conditions near outcrop areas and confined conditions elsewhere. The site of this proposed appropriation is located approximately six miles southeast of the nearest Quartzite outcrop (Todd and Hall, 1903), and the aquifer is under confined conditions. The static water level reported for the two wells this application proposes to use was reported to be 92 feet below grade in late June- early July, 2015.

The Sioux Quartzite is exposed in several locations in southeastern South Dakota, (see Figure 1). Subsurface information from well logs indicates the quartzite underlies the entire region between

outcrops. Although the Sioux Quartzite extends over a regional scale, the aquifer within it likely occurs on a more localized scale.

QUARTZITE EXPOSURES

EASTERN SOUTH DAKOTA

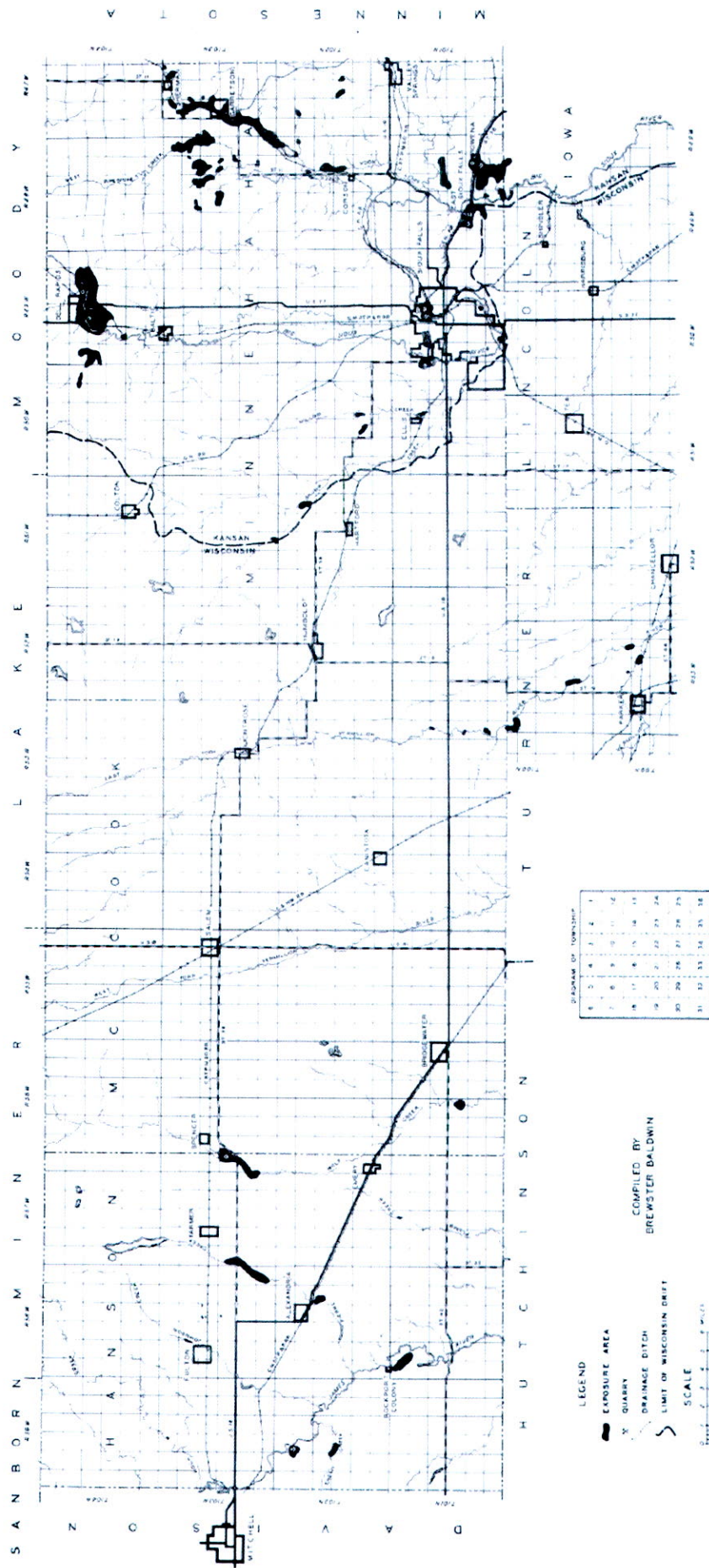


FIGURE 1

Figure 1. Map showing outcrops of the Sioux Quartzite in southeastern South Dakota (Baldwin, 1949)

SDCL 46-2A-9:

South Dakota Codified Law (SDCL) 46-2A-9 requires “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 probability of unappropriated water available from the Sioux Quartzite aquifer and the impact approval of this application may have on existing water rights.

Water Availability:

Water Permit Application No. 8186-3 proposes to divert water at a maximum rate of 0.167 cfs and less than 120 acre-feet per year. The probability of unappropriated water available from an aquifer can be evaluated by considering SDCL 46-6-3.1 which requires “No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source.” 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. Although there is an exception to the recharge/withdrawal consideration in SDCL 46-6-3.1, for geologic formations older than or stratigraphically lower than the Greenhorn Formation, it applies only to applications filed by water distribution systems and is not applicable here.

Recharge to the Sioux Quartzite occurs through infiltration of precipitation at or near outcrops and through leakage from other aquifers that are hydrologically connected. Discharge from the Sioux Quartzite is primarily to connected aquifers where the gradient is favorable. The recharge and discharge potential between the Sioux Quartzite aquifer and hydrologically connected aquifers is dependent upon the water level differentials between the aquifers. The DENR-Water Rights Program monitors two observation wells completed into the Codell aquifer within approximately one and one-half miles of the wells this application proposes to use. Comparison of the potentiometric surfaces of the Codell and Sioux Quartzite aquifers indicate the potential for recharge to the Sioux Quartzite from the Codell in this area.

Discharge from the Sioux Quartzite aquifer is also through well withdrawals, although well withdrawals are expected to be minor in comparison to the rate of water that naturally discharges from the Sioux Quartzite aquifer. There are a total of 56 water rights/permits appropriating water from the Sioux Quartzite aquifer in the state; designated uses of these appropriations are shown in Table 1. The total combined instantaneous diversion rate authorized from these appropriations is 32.269 cfs. It should be noted that a single appropriation, (Vested Right No. 5400-3, L G Everist Inc) authorizes a rate of 12.25 cfs for mine dewatering at a quarry in Dell Rapids, SD. Two Water Rights (No. 4493-3 and 6070-3) appropriate 4.9 cfs for mine dewatering at Spencer Quarry. In addition, there are a number of domestic use wells on file with the DENR-Water Rights Program. The amount of water withdrawn for domestic use would not be significant to a hydrologic budget for the aquifer.

Table 1. Uses per water rights/permits appropriating water from the Sioux Quartzite aquifer

Use	Number of Permits/Rights
Commercial	14
Domestic	1
Geothermal	6
Industrial	4
Institutional	1
Irrigation	8
Municipal	17
Recreation	2
Suburban Housing Development	3

Data is not available to quantitatively compare the average annual recharge to the Sioux Quartzite aquifer with the average annual withdrawal from the aquifer. Comparison of average annual recharge with average annual withdrawals from the aquifer can be accomplished by considering historic water level trends of the aquifer. If water levels in an aquifer decline over time, it may suggest that withdrawals are exceeding recharge. The DENR-Water Rights Program does not monitor any observation wells completed into the Sioux Quartzite aquifer and historic water level data is limited. The best data available to assess the water level trends in the Sioux Quartzite is through examination of water well completion reports for area wells. Although evaluating historic water levels using domestic well data is more subjective than through the use of dedicated observation wells because of additional interpretations necessary for well locations/elevations, groundwater gradients, and water level fluctuations due to seasonal and climatic variations, the data is valuable. Review of the completion reports on file with the DENR-Water Rights Program (Water Rights, 2015b) for nearby wells document that withdrawals from the aquifer have not exceeded recharge. In other areas, water levels in the Sioux Quartzite show a correlation with long-term precipitation trends. Water levels undergo cyclic conditions, rising during wet years and declining during dry years (Stonesifer, 2013). The aquifer appears to behave similarly in this area. Since the Sioux Quartzite aquifer is under steady state conditions in this area, and considering additional recharge is available and groundwater outflow can be captured by well withdrawals, the withdrawals proposed by this application are not expected to cause the withdrawals from the Sioux Quartzite aquifer to exceed the average annual recharge to the aquifer.

EXISTING WATER RIGHTS/PERMITS

Unlawful impairment of wells in the Sioux Quartzite:

There are only five water rights/permits appropriating water from the Sioux Quartzite aquifer within approximately 15 miles of this project site. The nearest appropriation from the Sioux Quartzite aquifer is Water Right No. 6015-3, Rockport Hutterian Brethren, which authorizes diversion points approximately seven miles northwest of this proposed project site. The DENR-Water Rights Program has records of 18 domestic wells completed into the Sioux Quartzite aquifer within approximately 15 mile radius, almost all of them are located to the north of this proposed site.

Since SDCL 46-2A-9 requires that a permit to appropriate water may only be issued if the proposed diversion can be developed without unlawful impairment of existing rights, consideration must be giving to what constitutes unlawful impairment or an adverse impact.

The Water Management Board rule (ARSD 74:02:04:20(7)) defines an adversely impacted domestic well as:

“a well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner's needs”

The rules do not identify what constitutes an adverse impact to a prior appropriator. The Board has however promulgated rules pursuant to SDCL 46-6-6.1 that regulate large capacity wells with the intent of maintaining an adequate depth of water for prior appropriators and providing for the lowering of the pump in prior appropriator's wells.

One of the principal Board rules addressing SDCL 46-6-6.1 is ARSD 74:02:05:02, which requires that the spacing of large capacity wells is to be controlled to assure domestic use and other prior water right water supplies in adequate wells. An adequate well is defined by ARSD 74:02:04:20(6) as:

“a well constructed or rehabilitated to allow various withdrawal methods to be used, to allow the inlet to the pump to be placed not less than 20 feet into the saturated aquifer or formation material when the well is constructed, or to allow the pump to be placed as near to the bottom of the aquifer as is practical if the aquifer thickness is less than 20 feet;”

Although 20 feet is an adequate depth of water for prior appropriators in most aquifer, in the Sioux Quartzite aquifer, 20 feet is seldom a sufficient depth of water to be a dependable supply for a well. Defining adverse interference issues in the Sioux Quartzite aquifer is further complicated by the fact that unlike the case of most other aquifers where the maximum drawdown that could result from pumping a large capacity well is limited by the aquifer thickness, in the quartzite aquifer the maximum drawdown is limited by the well depth.

Therefore, in assessing if well interference is an adverse impairment, provided the affected well is adequate, the depth of the affected well must also be taken into consideration. Although depth is a critical factor in a well's ability to tolerate interference in the Sioux Quartzite, minimum well depth is not regulated.

Even though minimum well depth is not dictated by statute or rule, ARSD 74:02:04:60 does specify the requirements for the installation of pumps in wells. The rule requires that the depth of the pump setting shall be determined by dividing the specific capacity determined for the well into the required yield and adding at least 10 additional feet. Obviously the minimum depth of the pump setting as determined by ARSD 74:02:04:60 could be used as a quasi-minimum well depth standard. For example, the bottom of a well with a specific capacity of 1 gallon per minute per foot of drawdown (gpm/ft), permitted for 20 gallons per minute (gpm), would need to be at

least 30 below the static water level; and the bottom of a well with a specific capacity of 0.5 gpm/ft, permitted for 20 gpm, would need to be at least 50 feet deeper than the static water level.

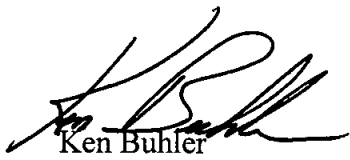
If the depth of a well allows for pump placement per ARSD 74:02:04:60 and interference requires the well be deepened, that interference could be considered an adverse impact. Conversely, if the affected well is not deep enough to allow compliance with the requirements of ARSD 74:02:04:60, interference that would require deepening of the well would not be an adverse impact. It is important to note that unlike the standard defining an adequate well, the pump installation standard does not fix the setting to the static water level or the specific capacity at the time of construction. The pump setting and ultimately the depth of a well must be able to accommodate for seasonal and climatic fluctuations of the static water level and/or a change of the well's specific capacity.

In a well interference situation involving the Sioux Quartzite, the static water level and specific capacity would be used to determine the minimum (i.e. highest) pump setting for the affected well. After allowing for seasonal and climatic conditions, well interference that caused the pump to be lowered below the calculated pump setting would be unlawful impairment.

With that said, if this application is approved, well interference is not expected to be adverse to existing wells due to the distance between wells and the relatively low diversion rate proposed by this application.

CONCLUSIONS:

1. The Sioux Quartzite is a viable aquifer in this area.
2. The Sioux Quartzite is under confined/artesian conditions in this area.
3. Recharge to the Sioux Quartzite aquifer is through infiltration of precipitation and possibly through streamflow losses.
4. Average annual recharge has not been quantified for the Sioux Quartzite aquifer.
5. The DENR-Water Rights Program does not monitor any observation wells completed into the Sioux Quartzite aquifer.
6. Historic water level data for the aquifer is limited to water well completion reports. Completion reports on file with the DENR-Water Rights Program indicate withdrawals from the aquifer have not exceeded recharge.
7. There is a reasonable probability that approval of this application will not cause withdrawals from the aquifer to exceed average annual recharge to the aquifer.
8. Unlawful impairment in the Sioux Quartzite aquifer can be considered drawdown to the extent that an affected well that is both adequate pursuant to ARSD 74:02:04:20(7) and allows for a pump setting pursuant to ARSD 74:02:04:60 experiences a loss of water production or increased operating expense that can be attributed to another well.
9. The nearest well supplied from the Sioux Quartzite aquifer to this application site is located over one mile away.
10. Well interference if this application is approved is not expected to be adverse.



Ken Buhler

SD DENR-Water Rights Program

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- Water Rights Program, 2015b, "Well Completion Report Files", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD
- Water Rights Program, 2015c, "Observation Well Database", South Dakota DENR-Water Rights Program, Joe Foss Building, Pierre, SD

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STATE OF SOUTH DAKOTA
COUNTY OF HUTCHINSON

JAN 11 2016

WATER RIGHTS
PROGRAM

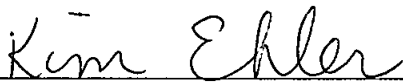
SCOTT E. EHLE, BEING DULY SHORN,
SAYS: THAT THE PARKSTON ADVANCE
IS, AND DURING ALL THE TIME HERE-
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17-2-2.1 THROUGH 17-2-2.4 INCLUSIVE,
AS AMENDED, PUBLISHED AT
PARKSTON, HUTCHINSON COUNTY,
SOUTH DAKOTA BY THE PARKSTON
ADVANCE, INC.; THAT AFFIANT IS
AND DURING ALL OF SAID TIMES WAS,
AN EMPLOYEE OF THE PUBLISHER OF
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KNOWLEDGE OF THE FACTS STATED IN
THIS AFFIDAVIT; THAT THE NOTICE,
ORDER OR ADVERTISEMENT, A PRINTED
COPY OF WHICH IS ATTACHED, WAS
PUBLISHED IN SAID NEWSPAPER FOR
1 SUCCESSIVE ISSUES, BEARING THE
FOLLOWING DATES:

DECEMBER 16, 2015

THAT THE FULL AMOUNT OF THE FEE
CHARGED FOR PUBLISHING THE SAME
TO WIT, THE SUM OF \$28.09,
INURES SOLELY TO THE BENEFIT OF
THE PUBLISHER OF SAID NEWSPAPER;
THAT NO AGREEMENT OR UNDERSTAND-
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HAS BEEN MADE WITH ANY PERSON,
AND THAT NO PART OF THE FEE HAS
BEEN AGREED TO BE PAID TO ANY
OTHER PERSON.



SUBSCRIBED AND SWORN TO BEFORE
ME THIS 16TH DAY OF DECEMBER
A.D., 2015



NOTARY PUBLIC, COUNTY OF
HUTCHINSON, SOUTH DAKOTA



MY COMMISSION EXPIRES
JANUARY 12, 2016

**NOTICE OF APPLICATION
NO. 8186-3 TO
APPROPRIATE WATER**

Notice is given that Oak Lane Colony, c/o Jake D. Wipf, 26730 423rd Ave., Alexandria, S.D. 57311 has filed an application for a water permit to appropriate 0.167 cubic feet of water per second (55 acre feet per year) from two wells completed into the Sioux Quartzite Aquifer (582 and 442 feet deep) for commercial use in a swine confinement facility all located in the N 1/2 NW 1/4, Section 7-T100N-R58W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8186-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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, S.D. 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 December 28, 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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

Steven M. Pirner, Secretary,
Department of Environment
and Natural Resources 50Ac
Published once at the total approxi-
mate cost of \$28.09.

RECEIVED

DEC 18 2015

WATER RIGHTS
PROGRAM

**NOTICE OF
APPLICATION NO.
8186-3
to Appropriate Water**

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Steven M. Pirner,
Secretary,
Department of
Environment and
Natural Resources.
Published once at the total approximate cost of \$63.91

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF DAVISON)

Penny Hohbach of said county, being, first duly sworn, on oath, says; that he/she is the publisher or an employee of the publisher of The Daily Republic, a daily newspaper, published in the City of Mitchell, in said County of Davison, and State of South Dakota; that he/she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive; that said newspaper has been published within the said County of Davison and State of South Dakota, for at least one year next prior to the first publication of the attached public notice, and that the notice, order or advertisement, a printed copy of which, taken from the paper in which the same was published, and which is hereto attached and made a part of this affidavit, was published in said newspaper for 1 issues(s), to wit:

Wednesday, December 16, 2015

That the full amount of the fee charged for the publication of the attached public notice insures to the sole benefit of the publisher or publishers; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever, that the fees charged for the publication thereof are: \$63.91

Signed: Penny Hohbach

Subscribed and sworn to before me this 16th day of December, 2015.

Deb Townsend

Notary Public
County of Davison

My Commission Expires: 09-18-21

Prepared by: The Daily Republic, P.O. Box 1288, Mitchell S.D. 57301 605-996-5515

DEB TOWNSEND
Notary Public
SEAL
South Dakota

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, December 08, 2015 8:48 AM
To: 'advance@santel.net'
Subject: 8186-3, Oak Lane Colony
Attachments: 8186-3nov2015newpublic.short1.docx; FORM8.FRM.doc

Attached is a notice to be published on December 16, 2015.

Oak Lane Colony, c/o Jake D Wipf, 26730 423rd Ave, Alexandria SD 57311 (605 825-4296 or c 605 770-8900) 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

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, December 08, 2015 8:40 AM
To: Hohbach, Penny (PHohbach@mitchellrepublic.com)
Subject: 8186-3, Oak Lane Colony
Attachments: 8186-3nov2015newpublic.short1.docx; FORM8.FRM.doc

Attached is a notice to be published on December 16, 2015.

Oak Lane Colony, c/o Jake D Wipf, 26730 423rd Ave, Alexandria SD 57311 (605 825-4296 or c 605 770-8900) has been notified to contact you to authorize publication and arrange for payment.

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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.**

December 8, 2015

Oak Lane Colony
Jake D Wipf
26730 423rd Ave
Alexandria SD 57311

Dear Mr. Wipf:

Water Permit Application No. 8186-3 for commercial use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Parkston Advance printed at Parkston SD (Ph # 605-928-3111) and the Daily Republic printed at Mitchell SD (Ph # 605-996-5514). 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 December 16, 2015. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 8186-3 to Appropriate Water

Notice is given that Oak Lane Colony, c/o Jake D Wipf, 26730 423rd Ave, Alexandria SD 57311 has filed an application for a water permit to appropriate 0.167 cubic feet of water per second (55 acre feet per year) from two wells completed into the Sioux Quartzite Aquifer (582 and 442 feet deep) for commercial use in a swine confinement facility all located in the N 1/2 NW 1/4 Section 7-T100N-R58W.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8186-3 with qualifications 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. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

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 December 28, 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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. 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.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of_____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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denr.sd.gov

JAN 29 2016

Oak Lane Colony
Jake Wipf
26730 423rd Ave
Alexandria SD 57311

Dear Mr. Wipf:

Enclosed is Water Permit No. 8186-3 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

8186-3
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FEB 16 2016

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 2-08-2016TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181FROM: Oaklane Colony Lake Wipf
(name)26730 423th Ave
(address)Alexandria, SD 57311
(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. 8186-3 states that the water use system is to be constructed by8-1-2015

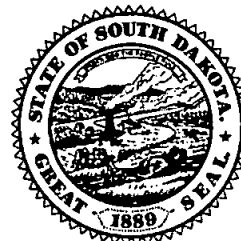
(date)

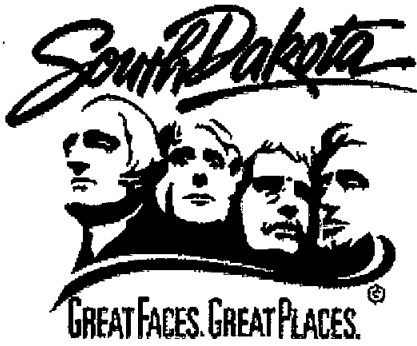
, and water is to be put to beneficial use by 8-1-2015

(date)

The water use system was completed on 8-1-2015
(date)Applying the water to beneficial use was completed on 8-1-2015
(date)

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

Jake Wipf
(signature)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

February 16, 2016

8186-3

Jake Wipf
Oaklane Colony
26730 423rd Ave
Alexandria SD 57311

Dear Mr. Wipf:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with the water use system authorized under Water Permit No. 8186-3.

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,

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

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