

WATER PERMIT NO. 8344-3

Name of Applicant: L G. Everist Inc. c/o Chris Klein

Address: 350 S Main Ave, Suite 400, Sioux Falls SD 57104

Phone: 605 330-6570

Amount of Water Claimed: 0.022 cfs 4.6 AF

Total Acres: NA

Source of Water Supply: groundwater (one well)

Water to be used for: industrial

County: Minnehaha

Type of Waste Disposal System:

Location: southeast Dell Rapids

PRIORITY

Date Received: 4-3-18

Application/License Fee: \$ 300

Corrected Application Received:

Period of Annual Use: Jan 1 – Dec 31

Remarks: Site has been in existence for many years

Diversion Point: NW 1/4 SE 1/4 Sec 10-T104N-
R49W

Land to be Irrigated: NA

Depth of Well: 145 feet

Well Driller:

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 4-3-18

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

			10		
			⊗		

**SOUTH DAKOTA
WATER PERMIT NO. 8344-3**

Date of first receipt of application April 3, 2018.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8344-3 to L. G. Everist Inc., 350 S Main Ave, Suite 400, Sioux Falls SD 57104 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. 8344-3 appropriates 4.6 acre-feet of water annually at a maximum pump rate of 0.022 cubic feet of water per second from one well completed into the Sioux Quartzite Aquifer (145 feet deep) located in the NW 1/4 SE 1/4 Section 10-T104N-R49W. The water is for use in an existing aggregate plant located in SE 1/4, E 1/2 SW 1/4 Section 10-T104N-R49W. The operation is located on the southeast edge of Dell Rapids SD.
2. The water appropriated shall be used for the purpose of industrial 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. 8344-3 is June 25, 2018.
5. The date from which applicant may claim right is April 3, 2018.
6. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Sioux Quartzite aquifer.
3. Water Permit No. 8344-3 authorizes a total annual diversion of 4.6 acre foot of water.
4. Approval of Water Permit No. 8344-3 cancels Water Right No. 5741-3.

WATER MANAGEMENT BOARD

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

JUL 18 2018
date



SD EForm - 1585LD V5

FORM 2: Application for uses other than irrigation
(type or print)

RECEIVED

APR 03 2018

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8344-3</u>	(office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Argus Leader</u>	

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

Check use(s) of water:

☐ Municipal	☐ Water Distribution System	☐ Recreational	☐ Institutional
☐ Rural Water System	☐ Commercial	☐ Fish & Wildlife	☐ Geothermal
☐ 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. 5741-3

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

1. Name to Appear on Water Permit L.G. Everist, Inc. c/o Chris Klein

Mailing Address 350 S Main Ave, Suite 400 Sioux Falls SD 57104
 (Address) (City) (State) (Zip Code)

Phone 605-330-6570 Mobile _____ Email cmklein@lgeverist.com

2. Amount of water claimed 0.022 *CFS or 10 **GPM and 4.6 ***AF or 1,500,000 Gallons
 Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply One 6 1/2" Well

4. Location of point of diversion SE1/4 NW1/4 SE1/4 S10-T104N-R49W County Minnehaha
 (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 Minnehaha

6. Annual period during which water is to be used January - December

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)

Original water rights permit was for a well that supplied water to a lab for rest rooms and washing aggregate samples. This well was abandoned and sealed in the early 1990's. A new well was drilled in 2006 to be used as dust control for primary crushing of quartzite that is ultimately processed into aggregate. This well is in the existing quarry approximately 100' below the original surface elevation and is 145' deep. We are requesting to transfer the water right from the original well to the new well. There is no seal log for the original well and there is no drill log for the new well.

I, Chris Klein

Name of Person

QC & Regulatory Manager, the applicant, certify under
 Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

2015-10

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Also, attach map and any other technical information. (see instructions)

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 ____ Have test holes been drilled ☐ Yes ☐ No Drilled by ____
(if yes, please provide copies of logs)
- b) If existing wells, how many ____ Provide copy of log(s), if available. Drilled by ____

For either Existing or Proposed Wells:

- c) Well Depth (required) 145' Depth to Top of Water Bearing Material N/A Depth to Water from Surface N/A
- d) Distance to nearest domestic well on applicant's property 775' Property owned by others 3,300'

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

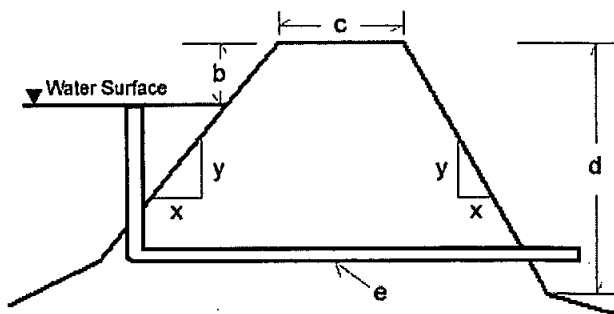
3. Dugout Information

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

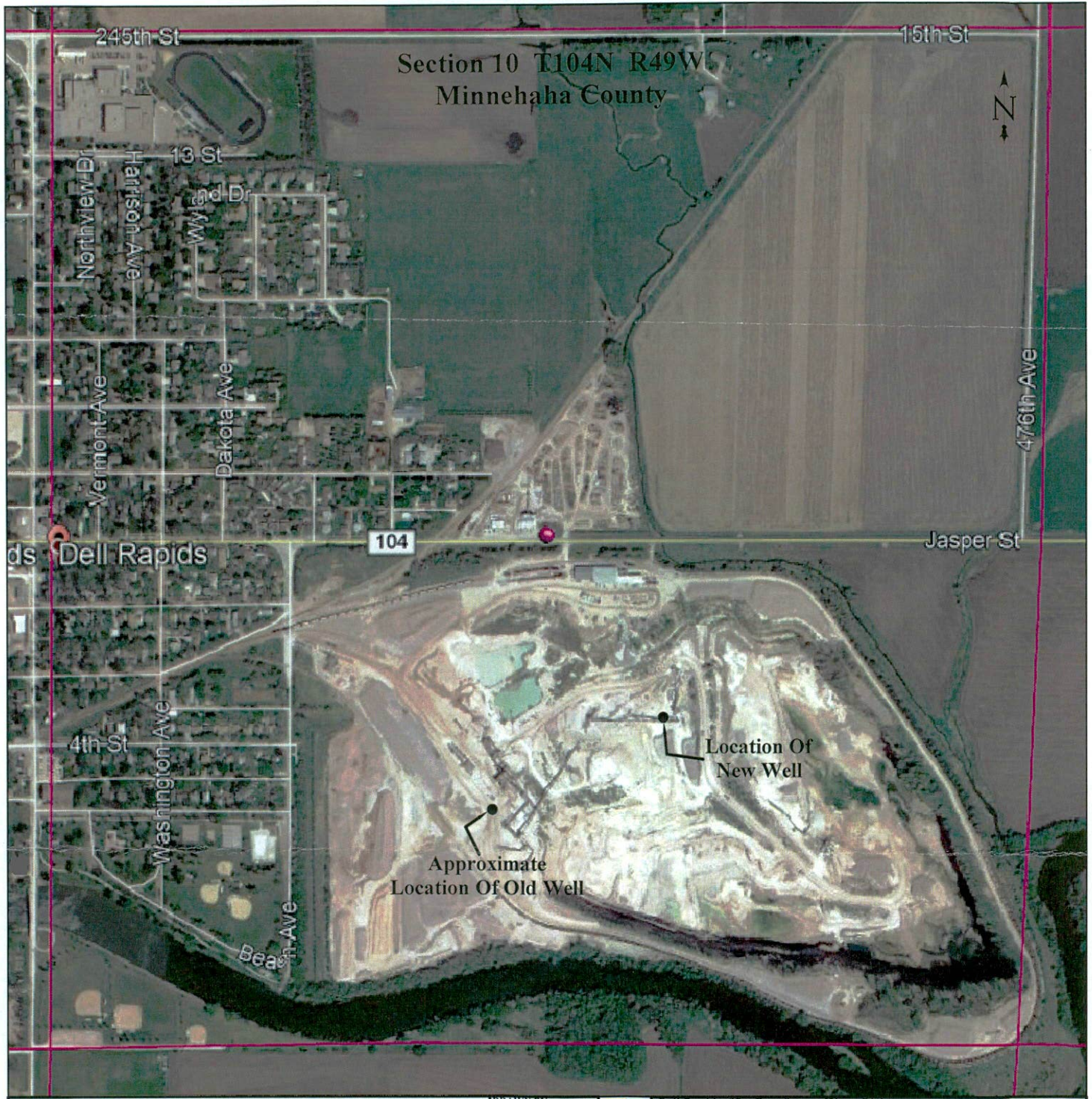
4. Water Storage Dams

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



DRAWN BY C. KLEIN DATE 03/26/2018 SCALE 1:750		Dell Rapids, SD - East Quarry Water Rights Location Of Water Diversion L.G. EVERIST, INC. AGGREGATE PRODUCERS SIOUX FALLS, SD 57105-3342-5000	DRAWING NO. 1 REV. 
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RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date April 3, 20 28

RECEIVED OF L.G. Everist, Inc. 350 S Main Ave Suite 400 Sioux Falls, SD 57104

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

Fee for Application for Permit No. <u>8344-3</u> 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. <u>8344-3</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	300 00

No. **08646**

By Jeanne Goodman
Chief Engineer

UM

Gronlund, Eric

From: Chris Klein <cmklein@LGEVERIST.com>
Sent: Friday, April 06, 2018 8:44 AM
To: Gronlund, Eric
Subject: RE: [EXT] Water permit application

Eric –

In answer to your questions:

1. I was actually kind of wondering if the original permit was still technically valid, although it was more because the old well was no longer there as the source rather than for non-usage. To my knowledge, the pump in the new well is only capable of 10 gpm. The total water claimed in the application is based on that gpm multiplied by an estimated total annual hours.
2. You are correct – I did view this solely as an amendment. I will get another \$400 submitted. One question though – our current dewatering volume is greater than the 1,500 gpm that was licensed, and it's actually at or slightly above the original 2,000 gpm that was requested. That being said, we are slowly expanding & deepening our quarry, however the 3,000 gpm requested in the modification may not be achieved for a few years. Based on your response below, I'm guessing that the final approved license will be for the capacity we are currently experiencing and then we'd need to apply for another increase in the future?

Just let me know if you have any other questions.

Thanks.



CHRIS KLEIN, L.G. Everist, Inc. – QC & Regulatory Manager
350 S Main Ave, Suite 400, Sioux Falls, SD 57104
605.929.4017 || cmklein@lgeverist.com || www.lgeverist.com
SAFE...RELIABLE...PRODUCTIVE

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]
Sent: Thursday, April 05, 2018 9:58 AM
To: Chris Klein <cmklein@LGEVERIST.com>
Cc: Schlaak, Karen <Karen.Schlaak@state.sd.us>
Subject: Water permit application

Chris

DENR received two more application for LG Everist.

1. Application to appropriate 10 gpm from the well in the SE ¼ NW ¼ SE ¼ Section 10-T104N-R49W states it is an amendment to Permit No. 5741-3. In the description of the project the application states the original water right permit was for a well that supplied water to a lab for rest rooms and washing aggregate samples. This well was abandoned and sealed in the early 1990's and a new well was drilled in 2006. The application requests to transfer the water right from the original well to the new well.

There appears to have been over ten years of nonuse from the well under Water Right No. 5741-3. Therefore by state law the No. 5741-3 is likely subject to forfeiture for nonuse and DENR will cancel No. 5741-3 as part of the

approval process for this recent application. Question is – this application requests 10 gpm from the well, Water Right No. 5741-3 was for 22 gpm. What is the pump installed in the 2006 well capable of producing 10 or 32 gpm?

2. LG Everist's other application is for quarry dewatering at a total rate of 3,000 gpm and to add the use for aggregate washing in addition to the discharge to the Big Sioux River.

The project description includes this is "an increase of 4.44 cfs total (2,000 gpm) to 6.69 cfs (3,000 gpm). While the original water permit was obtained for 4.44 cfs (2,000 gpm) it was only licensed for 3.33 cfs (1,500 gpm) based based on the pump rate when the licensing inspection was conducted in 2006. See attached water license. Therefore it appears this application in addition to adding the aggregate washing component is an increase in the amount of water claimed from 3.33 cfs (1,500 gpm) to 6.69 cfs (3,000 gpm).

Also the fee submitted with this application was \$300 (\$100 application filing fee + \$200 licensing fee). I presume you viewed this solely as an amendment and that is how you arrived at the \$300 amount. However, since additional diversion rate authority is requested, that increase component of the application constitutes a "new" application therefore the total fee should be \$700 (\$500 application filing fee + \$200 licensing fee). Please submit an additional \$400.

Please let me know if you concur and if you have questions please call or email me.

Eric Gronlund
Water Rights Program, DENR
605 773-3352
Eric.gronlund@state.sd.us

CUSTOMER NUMBER:	6053306570	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349
INVOICE NUMBER:	2966116	
RUN DATES:	6/13, 2018	
		AMOUNT DUE: \$94.39 pd.

L. G. EVERIST, INC.
350 S MAIN AVE., SUITE 400
SIOUX FALLS, SD 57104

RECEIVED
JUL 13 2018
WATER RIGHTS PROGRAM

AFFIDAVIT OF PUBLICATION-

Customer Number: 6053306570
Invoice Number: 2966116

Argus Leader

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Sara Kruse 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 17-2-2.1, as amended published at Sioux Falls, Minnehaha County, South Dakota; 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

_____ Wednesday, the 13 day of June 2018,
_____, the _____ day of _____ 2018,
_____, the _____ day of _____ 2018,
_____, the _____ day of _____ 2018,
_____, the _____ day of _____ 2018,
_____, the _____ day of _____ 2018,

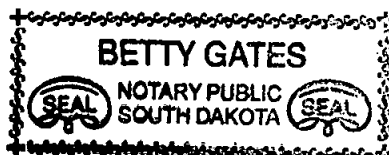
and that \$94.39 pd. was charged for publishing the same.

Sara Kruse
Subscribed and sworn to before me

7/11/18

Betty Gates
Notary Public, South Dakota

My Commission expires March 11, 2022



NOTICE OF APPLICATION NOS. 8344-3 and 8345-3 to Appropriate Water

Notice is given that L. G. Everist, Inc, c/o Chris Klein, 350 S Main Ave, Suite 400, Sioux Falls SD 57104 has filed the following applications for a water permit. Application No. 8344-3 proposes to appropriate 4.6 acre-feet of water annually water at a maximum pump rate of 0.022 cubic feet of water per second (cfs) from one well completed into the Sioux Quartzite Aquifer (145 feet deep) located in the NW 1/4 SE 1/4 Section 10-T104N-R49W. The water is for industrial use in an existing aggregate plant located in SE 1/4, E 1/2 SW 1/4 Section 10-T104N-R49W. The operation is located on the southeast edge of Dell Rapids SD.

Application No. 8345-3 proposes to appropriate 3.36 cfs by increasing the diversion rate authorized by Water Right No. 5784-3. Water Right No. 5784-3 appropriates 3.33 cfs to dewater a quarry located in the NW 1/4 NW 1/4 Section 16-T104N-R49W. This water right states water is discharged to the Big Sioux River in the same location. This application proposes to appropriate 3.36 cfs by increasing the current maximum pump rate from 3.33 cfs to 4.69 cfs. The application requests to allow for diverting quarry dewatering water either directly to the river or for washing the aggregate material during processing. A total annual volume of 1,105 acre-feet of water will be diverted for dewatering and aggregate washing activity at the site. The water is for industrial use in an existing aggregate plant located in the NW 1/4 Section 16 and E 1/2 NE 1/4 Section 17, all in T104N-R49W. Water is recycled by discharging to two settling ponds located in the NE 1/4 NE 1/4 Section 17-T104N-R49W. The operation is located on the southwest edge of Dell Rapids SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 8344-3 and 8345-3 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 Water Management Board. If a petition opposing the applications or recommendations with qualifications is filed, then a hearing will be scheduled and the Water Management Board will consider the application, at the Water Rights Program address: will be given to the applicant and Chief Engineer total approximate cost of \$94.39.

The applicant must file a petition, if contesting the Chief Engineer's recommendations. 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 June 25, 2018. 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 applications, 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 recommendations of the Chief Engineer and no petition to oppose the applications is received, the Chief Engineer shall act on the applications pursuant to the recommendations and staff reports are available at <http://denr.sd.gov/put> will be scheduled and the applicant or contact Eric Gronlund Water Management Board for this information, or other will consider the application, at the Water Rights Program address: will be given to the applicant and Chief Engineer total approximate cost of \$94.39.

2966116 June 13, 2018

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, June 06, 2018 11:03 AM
To: allegals@argusleader.com
Subject: 8344-3 and 8345-3, L. G Everist Inc.
Attachments: 8344-3&8345-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on June 13, 2018.

L. G. Everist, Inc., c/o Chris Klein, 350 S Main Ave, Suite 400, Sioux Falls SD 57104 (605 330-6570) 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 to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

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

Karen Schlaak
SD DENR, Water Rights Program
(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 RIGHT AWAY.**

June 6, 2018

L. G. Everist Inc.
c/o Chris Klein
350 S Main Ave, Suite 400
Sioux Falls SD 57104

Dear Mr. Klein:

Water Permit Application Nos. 8344-3 and 8345-3 for industrial use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Argus Leader printed at Sioux Falls SD (Ph # 605 331-2200). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendations of the Chief Engineer and reports on the applications are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

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

NOTICE OF APPLICATION NOS. 8344-3 and 8345-3 to Appropriate Water

Notice is given that L G. Everist, Inc, c/o Chris Klein, 350 S Main Ave, Suite 400, Sioux Falls SD 57104 has filed the following applications for a water permit.

Application No. 8344-3 proposes to appropriate 4.6 acre-feet of water annually water at a maximum pump rate of 0.022 cubic feet of water per second (cfs) from one well completed into the Sioux Quartzite Aquifer (145 feet deep) located in the NW 1/4 SE 1/4 Section 10-T104N-R49W. The water is for industrial use in an existing aggregate plant located in SE 1/4, E 1/2 SW 1/4 Section 10-T104N-R49W. The operation is located on the southeast edge of Dell Rapids SD.

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Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application Nos. 8344-3 and 8345-3 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 recommendations with qualifications, the applications, and staff reports 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 these applications or recommendations must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendations. 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 June 25, 2018.

The petition may be informal, but must include a statement describing the petitioner's interest in the applications, the petitioner's reasons for opposing or supporting the applications, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

If the applicant does not contest the recommendations of the Chief Engineer and no petition to oppose the applications is received, the Chief Engineer shall act on the applications pursuant to the recommendations with no hearing held before the Water Management Board. If a petition opposing the applications or contesting the recommendations is filed, then a hearing will be scheduled and the Water Management Board will consider the applications. Notice of the hearing will be given to the applicant and any person filing a petition.

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
<http://denr.sd.gov>

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8344-3, L G Everist**

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. 8344-3, L G Everist, c/o Chris Klein, 350 S Main Avenue, Suite 400, Sioux Falls SD 57104.

The Chief Engineer is recommending APPROVAL of Application No. 8344-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under this Permit will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Sioux Quartzite aquifer.
3. Water Permit No. 8344-3 authorizes a total annual diversion of 4.6 acre foot of water.
4. Approval of Water Permit No. 8344-3 cancels Water Right No. 5741-3.

See report on application for additional information.

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

Jeanne Goodman, Chief Engineer
June 6, 2018

Report to the Chief Engineer
Water Permit Application No. 8344-3
L. G. Everist Inc.
May 25, 2018

Water Permit Application No. 8344-3 proposes to appropriate a maximum of 4.6 acre-feet of water annually at a maximum instantaneous diversion rate of 0.022 cubic feet per second (cfs) from one existing well from the Sioux Quartzite aquifer. The well is 145 feet deep located in the NW ¼ SE ¼ Section 10-T104N-R49W. The water is for industrial use in an existing aggregate plant located in SE ¼, E ½ SW ¼ 10-T104N-R49W on the southeast edge of Dell Rapids.

There are two existing water rights associated with the Sioux Quartzite at this site, Water Right Nos. 5400-3 and 5741-3. Vested Water Right No. 5400-3 is for a maximum instantaneous diversion rate of 12.25 cfs for industrial use, primarily dewatering the quarry. Water Right No. 5741-3 is for a maximum instantaneous diversion rate of 0.05 cfs for commercial use at this quarry and is subject to cancellation for nonuse.

Aquifer: Sioux Quartzite (SOUX)

The Sioux Quartzite is a Precambrian age ortho-quartzite, a sedimentary formation that consists of primarily pink and red colored quartz sand cemented into a nonporous quartzite by silica (Baldwin, 1949). The Sioux Quartzite extends over a regional scale underlying portions of southeastern South Dakota, southwestern Minnesota, and northwestern Iowa (Tomhave, 1994). The extent of the Sioux Quartzite in South Dakota is shown in Figure 1. Mapping of the Precambrian surface by McCormick (2010) indicates that depth to the Sioux Quartzite can change over a short distance. This rugged and craggy upper surface is likely the product of pre-glacial streams that incised irregular valleys on the quartzite surface (Baldwin, 1949).

The primary porosity of the Sioux Quartzite is generally extremely low, except in areas where the silica cement is not present due to either weathering or non-deposition (Baldwin, 1949). In areas where conditions are favorable, water can be transmitted through the Quartzite through secondary porosity and permeability features (i.e. fractures and joints) resulting in areas where the Quartzite can be considered an aquifer. Aquifer characteristics within the Sioux Quartzite are site specific and highly variable due to the unpredictable nature of the fractures and joints in the aquifer.

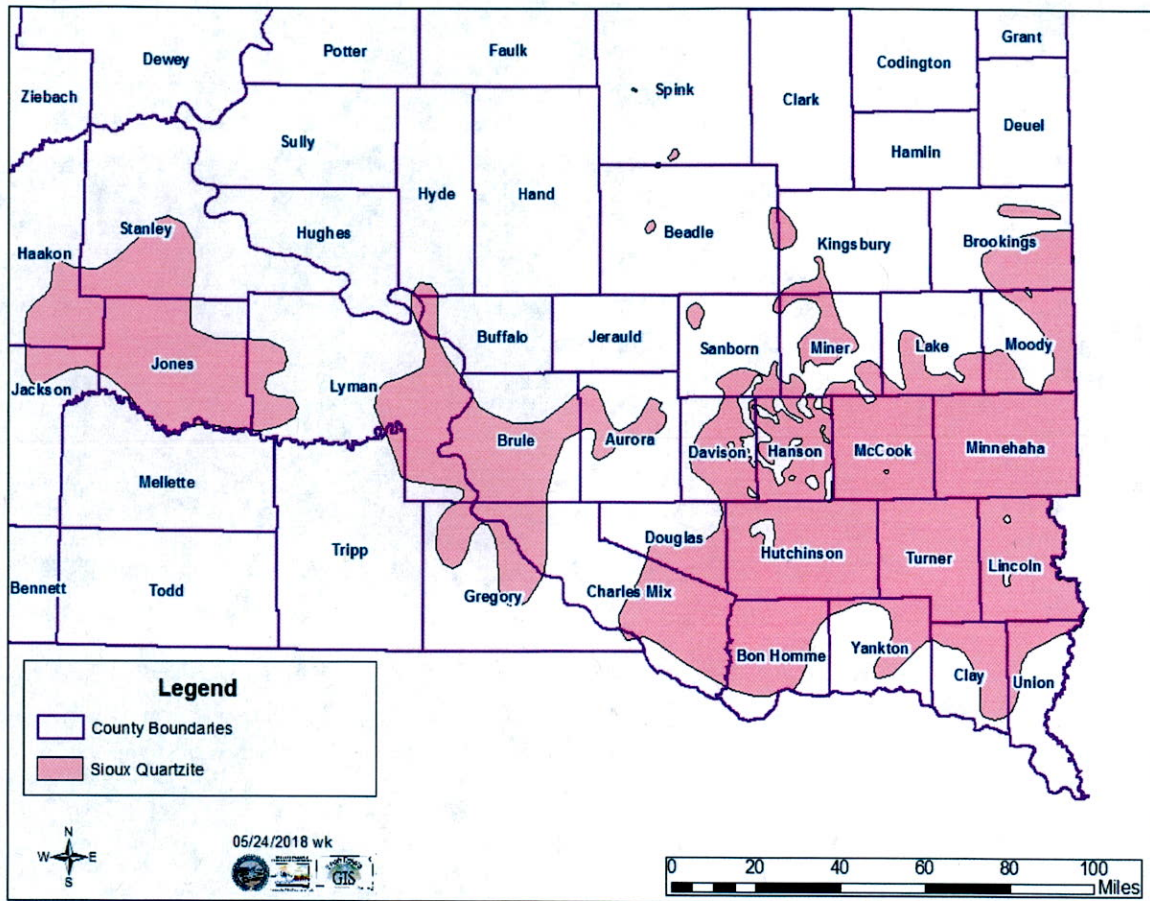


Figure 1: Extent of the Sioux Quartzite in South Dakota (modified from McCormick, 2010)

Estimates of the maximum thickness of the Sioux Quartzite vary from 3,000 feet (Baldwin, 1949) to less than 1,000 feet (Gries, 1983). However, wells for water supply typically only penetrate the Sioux Quartzite to a depth of 200 feet or less (Lindgren and Niehus, 1992). The Sioux Quartzite is likely hydraulically connected to overlying aquifers in direct contact with the quartzite to some extent. However the extent of any hydraulic connections between the quartzite and other aquifers in Minnehaha County likely varies by locality and are not well understood due to the lack of a detailed hydrogeologic study of the Sioux Quartzite in Minnehaha County. In the area of Dell Rapids the Sioux Quartzite can either be exposed at the surface (outcrops), overlain by till, overlain by the Big Sioux aquifer, or the Howard aquifer (Barari, 1967; Lindgren and Niehus, 1992). Additionally, the Big Sioux River runs over Sioux Quartzite outcrops in the area (Lindgren and Niehus, 1992).

A well completion report is not available for this well, based on the information provided with this application the well is 145 feet deep and was drilled in 2006. Since the Sioux Quartzite is exposed at ground surface at the well site and the well depth is much less than the estimated thickness for the Sioux Quartzite this well is likely completed into the Sioux Quartzite. Based on the available information the aquifer is likely under unconfined conditions at the well site for this application.

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 a reasonable probability there is unappropriated water available for the applicant's proposed use, the proposed diversion can be developed without unlawful impairment of existing rights, and the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and potential effects on existing rights from the aquifer that are pertinent to this application.

Water Availability

The probability of unappropriated water being available from the Sioux Quartzite 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. An application may be approved, however, for withdrawals of groundwater from any formation older than or stratigraphically lower than the greenhorn formation in excess of the average estimated annual recharge for use by water distribution systems." Here, the Sioux Quartzite aquifer is older than the Greenhorn Formation, but a water distribution system as defined by SDCL 46-1-6 (17) is not involved. Therefore the issue of recharge versus discharge must be considered.

Hydraulic Budget

Discharge from the Sioux Quartzite is from well withdrawals and leakage to hydraulically connected aquifers where the potentiometric gradients are favorable (a higher water level in the quartzite than in an overlying hydraulically connected aquifer would indicate potential for upward leakage). There are currently 63 water rights/permits authorized to appropriate water from the Sioux Quartzite of which 55 are for non-irrigation use (Water Rights, 2018b). The amount of water withdrawn by domestic uses are not considered a significant portion of the hydraulic budget of the aquifer due to the relatively low diversion rate of domestic wells; additionally with the development of rural water systems in the area many domestic wells may no longer be in use.

For water rights/permits limited to an annual volume, full use of that volume is assumed for estimation of average annual withdrawal. Water rights/permits in the aquifer limited to an annual volume total 253.83 acre-feet per year. There are four water rights for mine dewatering and quarrying activities (summarized in Table 1) with diversion rates totaling 20.5 cfs; water usage for these water rights is estimated to be less than 100% utilization resulting in an estimate average annual use of less than 14,827 acre-feet per year. Reported water use from 2003 to 2017 by Water Right Nos. 6070-3, 5400-3, and 5784-3 is shown in Table 2. In reviewing this data these water rights typically use less than full time diversions at their maximum permitted diversion rates. However, there is a pending application to increase the maximum diversion rate

authorized by Water Right No. 5784-3 by 3.36 cfs, and limit the Water Right No. 5784-3 and the pending application to a total maximum annual volume of 1,105 acre-feet for dewatering and aggregate washing. The total limit on Water Right No. 5784-3 and the pending application is less than full time pumping at the rate current authorized by Water Right No. 5784-3.

Table 1: Summary of Water Rights in the Sioux Quartzite for Mine Dewatering shown in Figure 2 (Water Rights, 2018b)

Permit No.	Name	Status	Use	Rate (cfs)
4493-3	SPENCER QUARRIES INC	LC	COM	1.8
6070-3	SPENCER QUARRIES INC	LC	COM	3.1
5400-3	EVERIST INC	LC	IND	12.25
5784-3	LG EVERIST	LC	COM	3.33

LC- Water Right, COM- commercial, IND-industrial

Historically, average water use by non-irrigation appropriations limited by instantaneous diversion rate has been less than 60% of full time pumping at the permitted diversion rate. Of the municipalities that have water rights for the Sioux Quartzite, the majority have connected to rural water systems (Drinking Water, 2018 and Kilts, 2017) and do not use much or any water from their wells. Water Right No. 6552A-3 is required to report annual use, which is shown in Table 2. Average water use by 6552A-3 is estimated at 10 acre-feet per year. Since Water Right No. 5741-3 is subject to cancellation water use was estimated to be zero acre-feet per year. The remaining non-irrigation water rights/permits that authorize withdrawals by maximum instantaneous diversion rate have a total instantaneous diversion rate of 6.023 cfs, this results in an estimated average annual use of less than 2,616 acre-feet per year. This totals to an estimated average annual non-irrigation use of less than 17,707 acre-feet per year.

Table 2: Reported Water Use for Non-irrigation Water Rights/Permits in the Sioux Quartzite that Require Reporting (Water Rights, 2004-2018;2018b)

	5400-3	5784-3	6070-3	6552A-3
2017	2663	0	1120	8.5
2016	2557	1	1120	10
2015	2114	0	1248	13
2014	2221	0	1120	9
2013	2027	10	1120	n/a
2012	2308	10	1111	n/a
2011	2691	113	1680	n/a
2010	2751	132	1690	n/a
2009	2355	63	1680	n/a
2008	2115	70	1680	n/a
2007	2100	66	1680	n/a
2006	2101	0	2190	n/a
2005	1790	28	2240	n/a
2004	1801	640	2190	n/a
2003	1984	3	2240	n/a
Average	2239	76	1607	10

There are eight water rights/permits appropriating water from the Sioux Quartzite for irrigation use. These water rights/permits and their average reported irrigation use is summarized in Table 3. Water Right Nos. 6451-3 and 6553-3 do not have a qualification for reporting annual irrigation use (Water Rights, 2018b). Average annual irrigation use by Water Right Nos. 6451-3 and 6553-3 is estimated to be less than their permitted limitations of two acre feet annually per acre, especially in the case of Water Right No. 6451-3, which is qualified for use only when water restrictions for the City of Sioux Falls are implemented. Authorizing a total of seven acres for irrigation the average annual withdrawal for Water Right Nos. 6451-3 and 6553-3 is estimated at less than 14 acre-feet per year. This results in an estimated average annual irrigation use of less than 300 acre-feet per year.

Table 3: Irrigation Water Rights/Permits from the Sioux Quartzite (Water Rights, 1991-2017)

Permit No.	Status	Acres	Average Reported Use (acre-feet)	Years of Constructed System Data
5365-3	LC	1.5	1.21	6 (1990-1995)
6195-3	LC	61	91.62	17
6451-3	LC	3	no data	not reporting
6553-3	LC	4	no data	not reporting
6618-3	LC	71	76.75	11
6910-3	LC	80	6.58	7
7805-3	LC	8	4.44	4
7415-3	PE	34	104	4
Total		262.5	284.6	
LC-license, PE-permit				

Recharge to the Sioux Quartzite is from infiltration of precipitation where the Sioux Quartzite is at or near land surface, infiltration of surface water on the outcrops, or leakage from overlying aquifers where the potentiometric gradients are favorable (a lower water level in the quartzite than in an overlying hydraulically connected aquifer would indicate potential for downward leakage) (Lindgren and Niehus, 1992). Recharge to the Sioux Quartzite has not been quantified. Therefore, data is not available to quantitatively compare the estimated average annual recharge to estimated average annual withdrawal in the aquifer.

A qualitative examination of average annual recharge with average annual withdrawals from the aquifer can be accomplished by considering water level trends in the aquifer. The Water Rights Program does not monitor any observation wells completed into the Sioux Quartzite aquifer (Water Rights, 2018a), so the availability of historical water level data is limited. Data from Lindgren and Niehus (1992) indicates water levels in the Sioux Quartzite show a correlation with long-term precipitation trends. Water levels that follow long-term precipitation trends typically undergo cyclic conditions, rising during wet years and declining during dry years. There are not a sufficient number of well completion reports for wells completed into the

Sioux Quartzite in the vicinity of this well for this application to offer insight into historic water level trends. Given that in this area the Sioux Quartzite is relatively close to ground surface, water levels in the aquifer are expected to show a correlation with long-term precipitation trends. However, Water Right No. 5400-3 is a vested water right that has been in use since 1954 to dewater the quarry at the well site for this application (Water Rights, 2018b). This need for long term dewatering would suggest that withdrawals from the Sioux Quartzite in this area have not exceeded recharge.

Existing Users

Water rights/permits currently authorized to appropriate water for the Sioux Quartzite are shown in Figure 2 and summarized in Table 4. Also there is a pending application by the applicant to increase the maximum diversion rate authorized by Water Right No. 5784-3 by 3.36 cfs, and limit the Water Right No. 5784-3 and the pending application to a total maximum annual volume of 1,105 acre-feet for dewatering and aggregate washing. The nearest water right/permit authorized to appropriate water for the Sioux Quartzite not held by the applicant is Water Right No. 562-3 held by the City of Dell Rapids located about 0.7 miles to the west-southwest. The City of Dell Rapids purchases their drinking water from Minnehaha Community Water Corp (Drinking Water, 2018c). The majority of domestic well completion reports on file with the Water Rights Program in the vicinity of this application appear to be completed into the overlying glacial aquifers (Water Rights, 2018c). The file for Water Right No. 5400-3 documented several domestic wells likely completed into the Sioux Quartzite during an investigation for domestic wells in the area done in 1990 for which well completion reports were not available (Water Rights, 2018b). However a number of the users of these wells were also connected to rural water (Water Rights, 2018b).

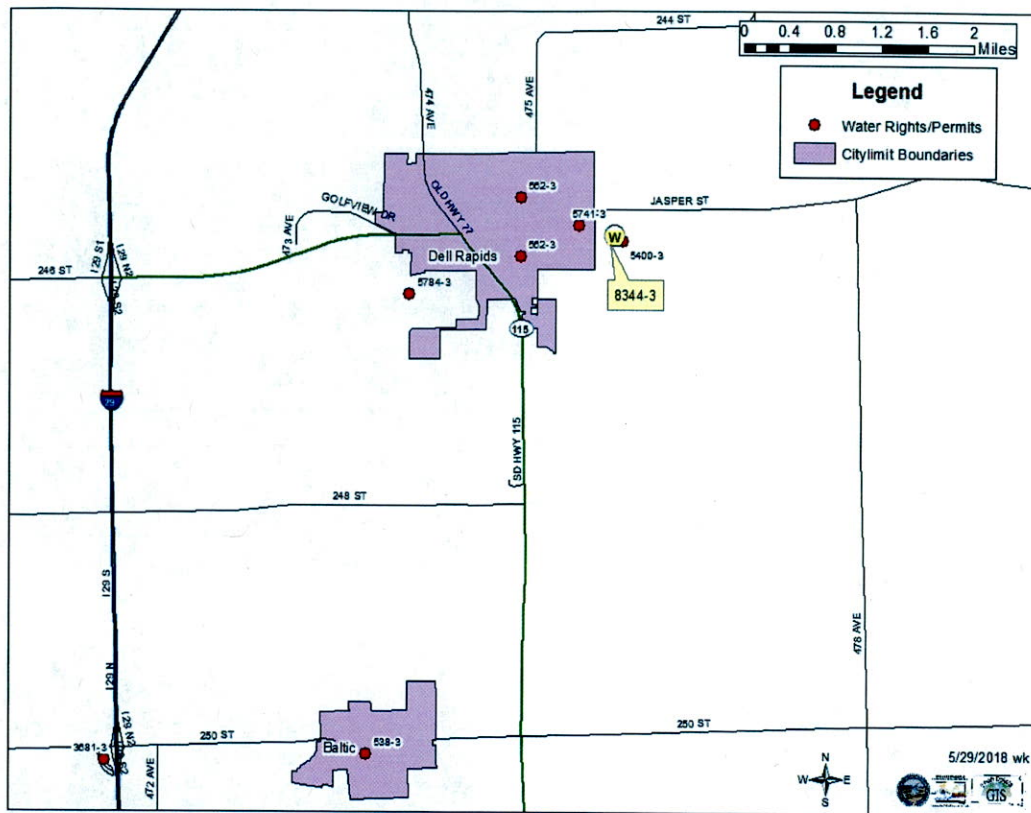


Figure 2: Water rights/permits currently authorized to appropriate water from the Sioux Quartzite in the area of the well for this application (Water Rights, 2018b)

Table 4: Summary of Water Rights shown in Figure 2 (Water Rights, 2018b)

Permit No.	Name	Status	Use	Rate (cfs)
538-3	CITY OF BALTIC	LC	MUN	0.09
562-3	CITY OF DELL RAPIDS	LC	MUN	0.89
562-3	CITY OF DELL RAPIDS	LC	MUN	0.89
3681-3	COACHMAN MANOR MOBILE	LC	COM	0.04
5400-3	EVERIST INC	LC	IND	12.25
5741-3	LG EVERIST	LC	COM	0.05
5784-3	LG EVERIST	LC	COM	3.33
LC- Water Right, MUN- municipal, COM- commercial, IND-industrial				

Administrative Rule of South Dakota (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.” While in most aquifers 20 feet is an adequate depth of water for prior users and domestic wells, in the Sioux Quartzite 20 feet below the top of the aquifer is seldom a sufficient depth for a well to be a

dependable water supply. To further complicate the consideration of adverse impact in the Sioux Quartzite, maximum drawdown that could result from pumping a large capacity well is limited by well depth rather than aquifer thickness. So provided that a well is adequate as defined by ARSD 74:02:04:20(6), the assessment of well interference being an adverse impact would also have to consider well depth.

Minimum well depth is not regulated, however ARSD 74:02:04:60 specifies requirements for the installation of pumps in wells. The rule requires that the depth of the pump placement be determined by dividing the specific capacity of the well into the required yield and adding at least 10 additional feet. Therefore, the minimum depth of the pump placement as determined by ARSD 74:02:04:60 could be used as a quasi-minimum well depth standard. If well depth allowed for pump placement per ARSD 74:02:04:60 and well interference requires the well be deepened, that interference could be considered an adverse impact. However, 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 considered an adverse impact. Additionally, the use of the pump placement standard does not fix the pump placement to the static water level or the specific capacity of the well at the time of construction. Instead the pump setting and well depth would need to allow for climatic fluctuations of the static water level and/or a change in specific capacity of the well. Ultimately, given the relatively low diversion rates requested by this application and that the well for this application has been in use since 2006 without a history of complaints, any well interference experienced by existing wells as a result of pumping under this application, if approved, is not expected to be adverse.

Historical Considerations

Vested Water Right No. 5400-3 for industrial use to dewater the quarry was contested. Concerns included impacts to domestic wells, dust problems, nuisance and damage caused by blasting, impacts of discharged water to the Big Sioux River on water quality, impacts of the dike protecting the quarry on Big Sioux River water levels, and truck traffic on the roads (Water Rights, 2018b). Ultimately, the Water Management Board approved the application and available information does not suggest any domestic wells in the area have been impacted by the dewatering activities at the quarry. Water Right No. 5741-3 for a maximum instantaneous diversion rate of 0.05 cfs for commercial use at the quarry was not contested.

Conclusions

1. Water Permit Application No. 8344-3 proposes to appropriate a maximum of 4.6 acre-feet of water annually at a maximum instantaneous diversion rate of 0.022 cfs from one existing well from the Sioux Quartzite aquifer located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10-T104N-R49W for industrial use.
2. Available information indicates that in the area of the well site for this application the Sioux Quartzite is a viable aquifer.

3. Average annual recharge to the Sioux Quartzite in South Dakota has not been quantified; however the available information suggests that withdrawals from the Sioux Quartzite have not exceeded recharge.
4. The Water Rights Program does not monitor any observation wells completed into the Sioux Quartzite.
5. Potential for unlawful impairment in the Sioux Quartzite would need to be assessed pursuant to both ARSD 74:02:04:20(7) and ARSD 74:02:04:60.
6. Available information indicates that any well interference as a result of this application, if approved, is not expected to be adverse.


Whitney Kilts
Water Rights Program

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- Water Rights. 2018b. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2018c. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUL 18 2018

L. G. Everist Inc.
c/o Chris Klein
350 S Main Ave, Suite 400
Sioux Falls SD 57104

Dear Mr. Klein:

Enclosed are Water Permit Nos. 8344-3 and 8345-3 authorizing your water diversion systems and beneficial use of the water, not exceeding the limits as specified in the Water Permits.

We will schedule an inspection so that the Water Licenses may be issued, thus completing the acquisition of a Water Right.

Sincerely,


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

enclosures

Note: Approval of Water Permit No. 8344-3 cancels Water Right No. 5741-3.

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 8344-3

I have this day, August 3, 2021, made a thorough examination of the water use system constructed by L G Everest Inc, c/o Chris Klein, 350 S Main Ave, Suite 400, Sioux Falls, SD 57104 of Permit No. 8344-3, bearing the priority of April 3, 2018 authorizing the diversion of 0.022 cu. ft. per second of the waters from the Sioux Quartzite Aquifer for industrial use purposes, in Minnehaha County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: NA
- 2) No. of Wells 1
- 3) Depth(s) 145 feet
- 4) Well log is available N

Comments: **Drilled into Quartzite**

Casing: **unknown**

Screen: **unknown**

Pump:

- 1) Make NA
- 2) Model Submersible
- 3) Size NA
- 4) Capacity 10 GPM

Motor: **unknown**

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: From the SE corner Sec 10 T104N R49W, 1565 ft N & 745 ft W, Lat 43.82347 Long -96.69386 (NE ¼ SE ¼ Sec 10)
2. The works are capable of diverting and conveying to the place of use 0.022 cu. ft. per second of water which is to be used for industrial use. The license should be issued for 0.022 cfs.
3. All structures, wells and lands on map Y

F. Comments or other permit(s) associated with the project:

The map was developed with the aid of FSA maps and ArcMAP software

The company's telephone number is 605/334-5000 while Chris Klein's direct number is 605/330-6570 (office) & 605/929-4017 (cell). The company address on the inspection materials is current.



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: August 5, 2021



0 0.1 0.2 0.4 0.6 0.8 Miles



Darrell DeBoer
Water Right Inspector
DANR-Water Rights Program

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

NAME: LG Everist Inc

ADDRESS: 350 S Main , Suite 400, Sioux Falls SD 57104

DATE: August 18, 2021

COUNTY: Minnehaha

GENERAL DESCRIPTION OF AUTHORIZED PROJECT:

The permit holder is authorized a single well into the Sioux Quartzite Aquifer located in the NW¼ SE¼ of Section 10 T104N-R49W. The authorized diversion rate is 0.022 cfs for industrial use in an aggregate plant.

AUTHORITY:

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

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

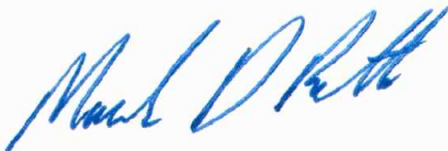
The permit holder developed one well into the Sioux Quartzite Aquifer in the NE¼ SE¼ of Section 10 T104N-R49W capable of diverting 0.022 cfs for industrial use in an aggregate plant.

- **Review of Existing Diversions**

This well is located within 1500 feet of two other wells constructed in Sioux Quartzite Aquifer, both well are owned LG Everist. There are no other wells into this aquifer located within several miles.

RECOMMENDED ACTION

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



Mark D. Rath, Natural Resources Engineer III
Water Rights Program

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

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



Eric Gronlund, Chief Engineer
Water Rights Program



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

8344-3

AUG 20 2021

Chris Klein
L G Everist
350 S Main Ave, Ste 400
Sioux Falls SD 57104

Dear Mr. Klein:

Enclosed is Water License No. 8344-3. This is the final water right document completing your process of obtaining a Water Right. Included with your license is a map prepared by the staff engineer who conducted the field investigation.

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

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

Sincerely,

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

enclosures

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 8344-3**

(1) L G Everist Inc., 350 S Main Ave., Suite 400, Sioux Falls SD 57104 made Application No. 8344-3, April 3, 2018 for a water permit to divert 0.022 cubic feet of water per second with an annual volume of up to 4.6 acre feet from ground water, one well (Sioux Quartzite Aquifer), Minnehaha County, South Dakota for industrial purposes. Permit No. 8344-3, with a priority date of April 3, 2018 was approved June 25, 2018 and issued to the applicant for diversion of water with construction of the described water supply system and the application to beneficial use of said water completed.

The water permit authorized a well located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10, T104N, R49W. An investigation of the water use system found the well located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10. Pursuant to SDCL 46-5-13.1 and ARSD 74:02:01:14.01, the Chief Engineer made a finding the change in diversion point location did not increase the potential for adverse effects to existing diversions.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.022 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 1,565'N and 745'W of the SE corner of Section 10, T104N, R49W (NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 10)
Latitude 43.82347, Longitude -96.69386

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use in the operation of an aggregate plant on the SE edge of Dell Rapids SD.

(4) Pursuant to South Dakota Water Law 46-5-30.1 L G Everist Inc., 350 S Main Ave., Suite 400, Sioux Falls SD 57104 the holder and/or owner of Water Right No. 8344-3 is issued a license to appropriate water, the right to use 0.022 cubic feet of water per second from ground water, one well (Sioux Quartzite) with a priority date of April 3, 2018 from the location specified in (2) of this license for industrial purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 8344-3 and subject to the following qualifications:

- The well approved under this water right will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The water right holder shall report to the Chief Engineer annually the amount of water withdrawn from the Sioux Quartzite Aquifer.
- Water Right No. 8344-3 authorizes a total annual diversion of 4.6 acre feet of water.
- Approval of Water Permit No. 8344-3 cancels Water Right No. 5741-3. *This qualification is no longer applicable.*

Eric Gronlund

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

AUG 20 2021

date

