

WATER PERMIT NO. 7247-3

Name of Applicant: Sioux Falls Regional Airport

Address: 2801 N Jaycee Lane, Sioux Falls SD 57104

Phone: 605 336-0762

Amount of Water Claimed: 0.18 cf Total Acres: 8

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: Minnehaha

Type of Waste Disposal System:

Location:

PRIORITY Date Received: 3-22-11

Application/License Fee: \$700

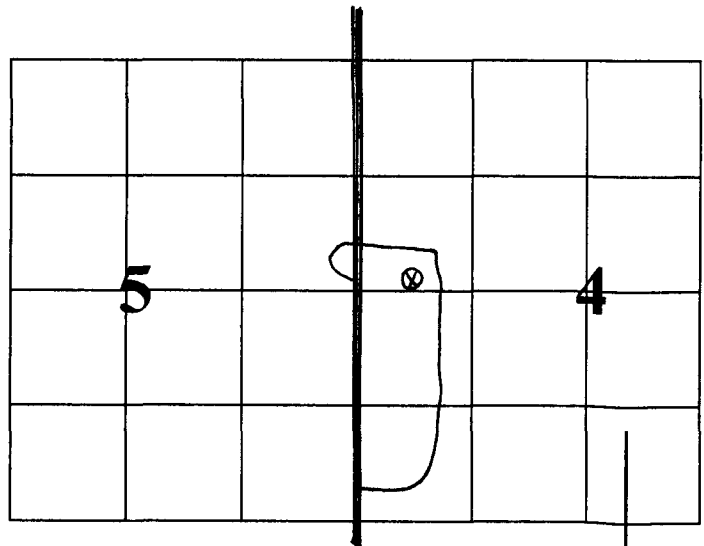
Corrected Application Received: 4-15-11

Period of Annual Use: January 1 – December 31

Remarks: For irrigation and use in a restroom

Diversion Point: SW ¼ NW ¼ Sec 4-T101N-R49W

Land to be Irrigated: SW ¼ NW ¼, W ½ SW ¼
Sec 4 and SE ¼ NE ¼ Sec 5; all in T101N-R49W



Depth of Well: 32 feet deep

Well Driller: Dave Putzke Well Drilling

Remarks:

Type of Map: aerial

Prepared by: Mark D Widerrich, PE

Reviewed and the Number Assigned on: 4-18-11

By: Karen Schlaak

Notice of Hearing - date to intervene: _____

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

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	(office use only)	
	No. <u>7247-3</u>	Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Argus Leader</u> <u>PO Box 5034</u> <u>605-331-2200</u> <u>5 Feb 57117</u>	

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Application For Permit To Appropriate Water For Irrigation

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

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

- Name of Applicant Sioux Falls Regional Airport - Joe Foss Field Phone 605-336-0762
 (check one) ☒ Owner ☐ Tenant/lessee
 Mailing Address 2801 N Jaycee Lane Sioux Falls SD 57104
 (Address) (City) (State) (Zip Code)
- Amount of water claimed 0.18 *CFS or 80 **GPM 32 ***AF Total Acreage 8.0
 (*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable
- Source of water supply Big Sioux Aquifer
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Minnehaha
1 well in NW 1/4 of Section 4, T101N, R49W, Tract 1 Airport 3rd Addition to the City of Sioux Falls.
(SW1/4 NW1/4)
- County or counties where water will be used Minnehaha
- Annual period during which water is to be used May through September 30
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
 (Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
Tract 1 Airport 3rd Addition	8.0		
<u>SW1/4 NW1/4 } sec 4 T101N R49W</u>			
<u>W1/2 SW1/4 }</u>			
<u>SE1/4 NE1/4 sec 5 T101N R49W</u>			

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

This well will provide seasonal irrigation for up to 8 acres of lawn and landscape. It will also provide a year-long water supply to a restroom (1 toilet, 1 sink) located in a new airport parking building.

STATE OF SOUTH DAKOTA)
 County of Minnehaha) SS

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)

I, Dan Letellier, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature _____

Subscribed and sworn to before me this 18 day of March 20 11

Dawn Carlson
 Notary Public signature

**SOUTH DAKOTA
WATER PERMIT NO. 7247-3**

Date of first receipt of application March 22, 2011.

Date of return to applicant for corrections, amendments or changes March 22, 2011.

Date of receipt of corrected application April 15, 2011.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7247-3 to Sioux Falls Regional Airport, c/o Dan Letellier, 2801 N Jaycee Lane, 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. 7247-3 appropriates 0.18 cubic feet of water per second from one well to be completed into the Big Sioux:Sioux Falls Aquifer (approximately 32 feet deep) located in SW ¼ NW ¼ Section 4 for irrigation of 8 acres located in the SW ¼ NW ¼, W ½ SW ¼ Section 4 and SE ¼ NE ¼ Section 5; all in T101N-R49W. The water will also be used in a restroom at the airport parking building.
2. The amount of the appropriation may not exceed 2 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: May 1 – September 30 for irrigation and January 1 – December 31 for other use.
3. The date from which applicant may claim right is March 22, 2011.
4. The date of approval of Permit No. 7247-3 is July 18, 2011.
5. One-fifth of the construction is to be completed on or before January 18, 2014.
6. All construction is to be completed on or before July 18, 2016.
7. Water is to be put to beneficial use on or before July 18, 2020.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

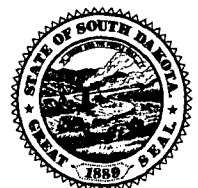
1. If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.
2. The well approved 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.
3. The well authorized by Permit No. 7247-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

WATER MANAGEMENT BOARD

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

JUL 21 2011

date



Supplemental Information

(type or print in ink)

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1. Well Information - Proposed Construction

- a) Drill Hole Diameter 10" Depth 32'
- b) Casing Type Plastic Diameter 5" Thickness SDR-21
- c) Screen Type Plastic Diameter 5" Thickness SDR-17
- d) Gravel Pack Yes w/ No 2# Pack Length of Gravel Pack 20'
- e) Depth to Top of Water Bearing Material 7'
- f) Depth to Water (ground surface to water level) 7'
- g) Distance to nearest existing domestic well:

On applicant's property NONE

On property owned by others _____

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Holding tank
- b) System Capacity (gallons) 1,300.00 Year Constructed 2011
- 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 (c.g. 3 to 1 is a typical slope)

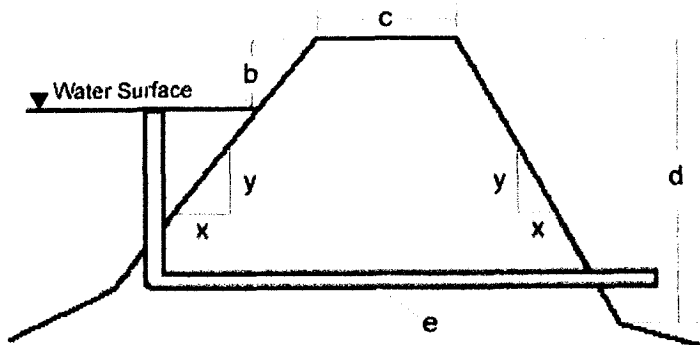
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

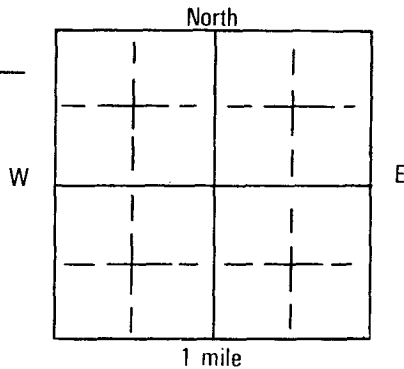


SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

10-85

Location 1/4 1/4 Sec Twp Rg

County

MinnehahaPlease mark well
location with
an "X"

Well Owner:

Name Sioux Falls Regional Airport-Jac Foss FieldAddress 2801 W Jaycee LaneSioux Falls S.D 57104Plugging completion Date 4-12-2011

CHECK APPROPRIATE BOX

EXISTING WELL

☐

TEST HOLE

☒

Well depth

Casing material

Casing size(s)

Casing condition

Hole depth

40' 0-7 Top soil

Hole size

6" 7-18 med sand
18-32 coarse gravel
32-40 Blue clay

Describe plugging procedure:

Run trimiz liner - to bottom of Hole

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Describe grout or plugging material:

Grout well-DF 3 bags

Type of non-slip plug:

This well or test hole was plugged under license # 439 And this report is true and accurate.Drilling firm Dave Putzke well Drilling & repair, Inc.

Signature of Licensed Representative

Dave Putzke

Signature of Well Owner

Date

4-15-2011



GOLDSMITH HECK
ENGINEERS, INC.

524 N. Sycamore Ave., Suite 1 • Sioux Falls, SD 57110 • Ph: 605.332.9885

DESIGNED BY: MOW	ACAD FILE:	DATE: 3/17/2011
DRAWN BY: MOW		
CHECKED BY:		
REVISIONS:	BY:	DATE:

PROPOSED WELL LOCATION MAP

SIoux FALLS REGIONAL AIRPORT
SIoux FALLS, SOUTH DAKOTA

SHEET NO.
1
OF
1

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 3/22, 20 11

RECEIVED OF Sioux Falls Regional Airport Authority 2810 Jaycee Ln Sioux Falls SD 57104

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

Fee for Application for Permit No. <u>7247-3</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>7247-3</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. 04950

By

Lauren E. Erbe
Chief Engineer

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TRANSMITTAL

ATTENTION:	DENR – Water Rights	DATE:	March 21, 2011
COMPANY	PMB 2020	PROJECT #:	10041SF
	523 East Capital Avenue	PROJECT:	Sioux Falls Regional Airport
	Pierre, SD 57501-3182	FROM:	Chad Kucker

SUBMITTED FOR:

☒ APPROVAL
☐ USE

☐ REVIEW AND COMMENT
☐ DISTRIBUTION

☐ INFORMATION
☐ RECORDS

COPY: _____

NOTES / COMMENTS:

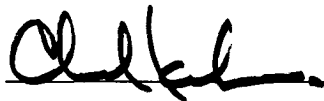
Please find enclosed an application for an irrigation well at the Sioux Falls Regional Airport. I check for the \$700 filing fee is also enclosed. The test well will be drilled by Putzke Well Drilling and information will be submitted separately.

Please note this well is also planned to serve a small restroom. Please let me know if additional permitting is required. Sewage from the restroom will be stored in a 1300 gallon tank and periodically pumped into a truck for off site disposal.

SENT BY:

Chad Kucker

SIGNATURE



Schlaak, Karen

From: Gronlund, Eric
Sent: Tuesday, March 22, 2011 9:30 AM
To: Schlaak, Karen
Subject: FW: Sioux Falls Regional Airport Well Application

Too late - he already responded.

-----Original Message-----

From: Chad Kucker [mailto:ckucker@thinkconfluence.com]
Sent: Tuesday, March 22, 2011 9:27 AM
To: Gronlund, Eric
Subject: RE: Sioux Falls Regional Airport Well Application

Putzke Well Drilling is planning to drill the test hole sometime next week. I expect you could have the information the week of April 4 at the latest.

CHAD KUCKER ASLA : LEED AP CKUCKER@THINKCONFLUENCE.COM
LANDSCAPE ARCHITECT

CONFLUENCE

524 NORTH MAIN AVENUE SUITE 201 SIOUX FALLS, SD 57104
TEL 605-339-1205 FAX 605-339-1215 WWW.THINKCONFLUENCE.COM

From: Eric.Gronlund@state.sd.us [mailto:Eric.Gronlund@state.sd.us]
Sent: Tuesday, March 22, 2011 9:24 AM
To: Chad Kucker
Subject: RE: Sioux Falls Regional Airport Well Application

Chad - received your email. The supplemental info sheet is blank with a note "test well in process, info to be sent when available What are the timeframes for receiving this information? Eric

-----Original Message-----

From: Chad Kucker [mailto:ckucker@thinkconfluence.com]
Sent: Monday, March 21, 2011 9:28 AM
To: Gronlund, Eric
Subject: Sioux Falls Regional Airport Well Application

Eric – I just put the application and check for this project in the mail. I forgot to include the required location exhibit, it is attached. Thanks.

CHAD KUCKER ASLA : LEED AP CKUCKER@THINKCONFLUENCE.COM
LANDSCAPE ARCHITECT

CONFLUENCE

524 NORTH MAIN AVENUE SUITE 201 SIOUX FALLS, SD 57104
TEL 605-339-1205 FAX 605-339-1215 WWW.THINKCONFLUENCE.COM



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 7247-3, Sioux Falls Regional Airport**

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. 7247-3, Sioux Falls Regional Airport, c/o Dan Letellier, 2801 N Jaycee Lane, Sioux Falls SD 57104.

The Chief Engineer is recommending APPROVAL of Application No. 7247-3 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. If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.
2. The well approved 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.
3. The well authorized by Permit No. 7247-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

See report on application for additional information.

Garland Erbele, Chief Engineer
June 22, 2011

WATER PERMIT APPLICATION NO. 7247-3
SIOUX FALLS REGIONAL AIRPORT
JUNE 9, 2011

Water Permit Application No. 7247-3 proposes to appropriate 0.18 cubic feet of water per second (approximately 80 gallons per minute) from a well that is to be completed into the Sioux Falls Management Unit of the Big Sioux Aquifer (approximately 32 feet deep). The well is to be located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 4, T101N-R49W and is to be used to irrigate 8 acres located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$, and the S $\frac{1}{2}$ SW $\frac{1}{4}$ Section 4, T101N-R49W; and the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 5, T101N-R49W. The water will also be used in the restroom at the airport parking building.

AQUIFER: Big Sioux: Sioux Falls (BS: SF)

AQUIFER CHARACTERISTICS:

The Sioux Falls Management Unit of the Big Sioux aquifer is an alluvium mantled, glacial outwash deposit, which consists of silt, fine to coarse sand, and gravel. The management unit underlies approximately 22,900 acres in Minnehaha County and contains an estimated 103,050 acre-feet of recoverable water in storage in the County (Hedges and others, 1982). The aquifer is restricted to the Big Sioux alluvial valley, and is bounded both to the north (near Dell Rapids) and on the south (Sioux Falls) by the relatively impermeable Sioux Quartzite. The aquifer is under unconfined conditions. The direction of water movement in the aquifer is generally to the south and towards the Big Sioux River (Lindgren and Niehus, 1992). The aquifer attains a maximum thickness of approximately 48 feet.

The Water Rights Program monitors 12 observation wells completed into the Sioux Falls management unit of the Big Sioux aquifer (Water Rights, 2011a). Water Rights' Observation Well MA-57H is the closest observation well to the well site proposed by this application, located approximately one mile southwest of this proposed well location. The hydrograph for the well is shown in figure 1.

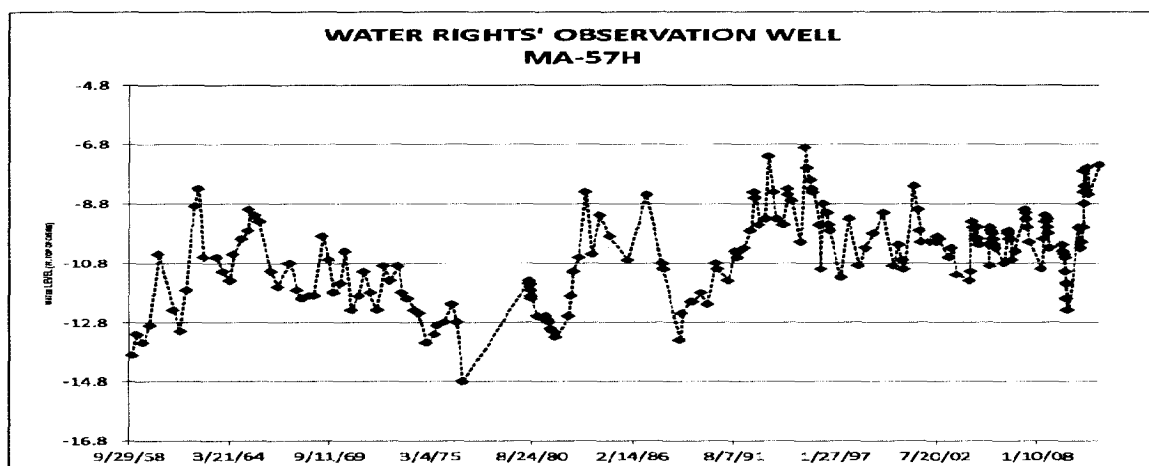


Figure 1. Hydrograph of Water Rights' observation well located approximately one mile from this proposed well site.

The hydrograph for MA-57H is typical for the Sioux Falls management unit of the Big Sioux aquifer. Data from the observation wells indicate the water levels rise during the late winter and spring due to recharge, if available. The water level of the aquifer fluctuates rapidly in response to recharge. The response to withdrawals is less obvious and tends to be represented by a slow gradual decline. The decline of water levels during the summer months is due to increased evapotranspiration, reduced recharge, and pumpage. Data from the observation wells indicate the aquifer is capable of sustaining additional withdrawals.

WATER AVAILABILITY:

This application, if approved will appropriate only a small amount of water (irrigation of 8 acres and supply a restroom).

Throughout the history of development of the Sioux Falls Management Unit the majority of the appropriations from the aquifer have been made by the City of Sioux Falls (Buhler, 2010). Although there are a number of water rights/permits appropriating water from the Sioux Falls Management Unit, historically the average annual use has been less than 15% of the maximum that could be pumped. Average annual pumpage (total) from the unit was estimated in 1983 to be 17,370 acre-feet per year (Hedges, 1983). The average daily use (total) from the aquifer was estimated in 1989 to be 20.0 MGD (22,627 ac-ft/yr), (Barari, 1989). Reported withdrawals in acre-feet annually from the Sioux Falls Management Unit by appropriative users are shown in Table 1.

	City of Sioux Falls (ac-ft/yr)	MCWC (ac-ft/yr)	Irrigation (ac-ft/yr)	TOTAL (ac-ft/yr)
1990	17,788	1,253	473	19,514
1991	10,257	1,400	409	12,066
1992	12,334	1,458	160	13,952
1993	9,956	1,489	124	11,569
1994	10,597	1,722	253	12,572
1995	8,211	1,752	240	10,203
1996	10,586	1,967	246	12,799
1997	12,382	1,841	467	14,690
1998	11,647	1,967	294	13,908
1999	11,507	2,098	414	14,019
2000	9,014	2,219	494	11,727
2001	12,873	2,314	359	15,546
2002	6,788	2,405	459	9,652
2003	11,402	2,630	440	14,472
2004	12,284	2,636	421	15,341
2005	16,712	2,661	473	19,847
2006	17,540	2,888	374	20,802
2007	14,992	2,722	341	18,055
2008	13,113	2,725	331	16,169
2009	16,713	2,552	231.81	19,497
max	17,788	2,888	494	21,170
min	6,788	1,253	124	8,165
ave	12,335	2,135	350.1905	14,820

Table 1. Water Use Reported from the Sioux Falls Management Unit (Buhler, 2005),
(Water Rights, 1990-2009), (Water Rights, 1990-2011)

1991 Declaratory ruling:

On November 14, 1991, through a declaratory ruling, the Water Management Board (Board) established a limitation on the annual withdrawals due to pumping by Water Permit/Right holders from the Sioux Falls Management Unit of 32,200 acre-feet per year (ac-ft/yr) (Water Rights, 1992).

Water use from the Sioux Falls Management Unit in the future will be limited to a total withdrawal of 32,200 ac-ft/yr. When this limit is approached, water use will be restricted on a priority basis until withdrawals do not exceed 32,200 ac-ft/yr. The practical effect of the 32,200 ac-ft/yr limit allows for management of the aquifer, and on a priority basis

if necessary. If pumping from the management unit exceeds 32,200 ac-ft/yr, junior water right holders will have to limit their pumping.

The water reserved by future use permits must be considered fully developable. Therefore, the likely average amount of water that could be withdrawn annually by Water Permit/Right holders, the combination of average annual water use and the total future use reservation, is 23,501 ac-ft/yr (Buhler, 2010). The maximum annual withdrawal by Water Permit/Right holders, (i.e., the combination of maximum annual water use and the total future use reservation is 29,845 ac-ft/yr (Buhler, 2010). The increased use proposed by this application will not cause withdrawals from the management unit to exceed 32,200 ac-ft/yr.

EFFECTS ON EXISTING WATER RIGHTS

Unlawful impairment of groundwater rights may be due to "well interference", which is the overlapping of drawdown cones of depression of two or more wells; or from a "cumulative affect" in which the water level throughout the entire aquifer are lowered, as the result of an extended interim between withdrawal and recharge causing an "overdraft" from storage. In either case mitigation may be necessary, if the pumping authorized by junior priority rights is to continue.

Well interference:

The well site proposed by this application is located on the east side of the Sioux Falls Regional Airport. A number of the Sioux Falls' municipal wells are located at the airport (see figure2). Any interference caused by this appropriation is not expected to be adverse due to the relatively low diversion rate involved.



Figure 2. Well Site for Water Permit Application No. 7247-3 in relation to City of Sioux Falls municipal wells.

Cumulative affect:***Annual withdrawal limitation:***

Although the Board has established an annual withdrawal limitation of 32,200 ac-ft/yr, the potential of adverse impact to existing rights is independent of the amount of water that can be appropriated from the aquifer. Water rights could be adversely impacted even though substantially less than 32,200 acre-feet per year is pumped. The Board adopted a declaratory ruling on November 14, 1991 stating (in part):

"That private domestic wells are being impacted and deprived of reasonable use of water for domestic purposes by appropriative permit holders' withdrawals from the Big Sioux Aquifer: Sioux Falls Management Unit."

The City of Sioux Falls offered a seven point proposal that would eliminate the problem addressed in the declaratory ruling issued November 14, 1991. Since the problem was addressed and corrected through the proposal, the board did not need to order mitigation.

Following the declaratory ruling, the Board approved a reservation for future use by the City of Sioux Falls, (Permit No. 5523-3). The consequence of the declaratory ruling was the inclusion of the following qualification on the permit:

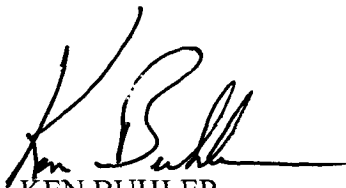
"If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water reserved by Future Use Permit No. 5523-3 results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04."

CONCLUSIONS:

1. Water Permit Application No. 7247-3 proposes to appropriate 0.18 cfs from the Sioux Falls management unit of the Big Sioux aquifer.
2. There is a reasonable probability unappropriated water is available from the Sioux Falls Management Unit of the Big Sioux aquifer for this appropriation.
3. There is a reasonable probability this appropriation can be made without adversely affecting existing rights.
4. The appropriation proposed by this application will not cause withdrawals to exceed the annual limitation that was established for the management unit by Board's November 14, 1992 "Declaratory Ruling on Establishment of a Maximum Annual Withdrawal Limitation for the Big Sioux Aquifer: Sioux Falls Management Unit" (32,200 acre-feet per year).

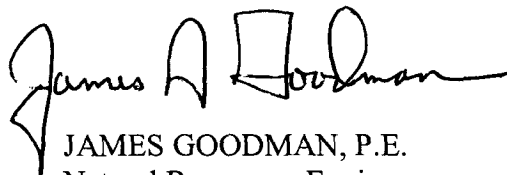
5. Since the Water Management Board's November 14, 1991 "Declaratory Ruling Regarding the Decline of the Water Levels in Private Domestic Wells in the Big Sioux Aquifer: Sioux Falls Management Unit", new appropriations from the management unit have included the following qualification:

"If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04."



KEN BUHLER
Natural Resources Engineer

approved by



JAMES GOODMAN, P.E.
Natural Resources Engineer

REFERENCES:

- Barari, A., D.Iles, T.Cowman, 1989, Assessment of Water Resources and Conceptual Evaluation of a Regional Water Supply for Southeastern South Dakota, SD Dept. of Environment and Natural Resources, Geological Survey Program, Open-File Report 60-UR, 18 p
- Buhler, K.A., 2005, Report for Water Permit No. 6612-3, May 26, 2005: SD DENR-Water Rights Program
- Buhler, K.A., 2010, Report for Water Permit No. 7174-3, February 3, 2010: SD DENR-Water Rights Program

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JUL - 7 2011

WATER RIGHTS
PROGRAMpaid by
SF Regional
Airport

CUSTOMER NUMBER:	078340	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349
INVOICE NUMBER:	1339579	
RUN DATES	6/29, 7/6, 2011	AMOUNT DUE: \$110.73

Dept of Environment & Natural Resources
Water Rights Program
Attn: Eric Gronlund
523 E Capitol Avenue, Joe Foss Building
Pierre, SD 57501

DETACH THIS STUB AND RETURN WITH PAYMENT

PAYMENT DUE UPON RECEIPT

Appropriate Water-SF Regional Airport

AFFIDAVIT OF PUBLICATION-

Customer Number: 078340

Invoice Number: 1339579

Dept of Environment & Natural Resources

Argus Leader

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Linda Schulte being duly sworn, says: That The Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota; 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 29 day of June 2011,

Wednesday, the 6 day of July 2011,

_____, the _____ day of _____ 2011,

_____, the _____ day of _____ 2011,

_____, the _____ day of _____ 2011,

_____, the _____ day of _____ 2011,

_____, the _____ day of _____ 2011,

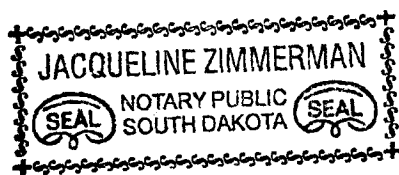
and that \$110.73 was charged for publishing the same

Linda Schulte

Subscribed and sworn to before me 7/6/2011

Notary Public, South Dakota

My Commission expires December 22, 2015



NOTICE OF APPLICATION

NO. 7247-3 to Appropriate
Water

Notice is given that Sioux Falls Regional Airport - Joe Foss Field, c/o Dan Letellier, 2801 N Jaycee Lane, Sioux Falls SD 57104 has filed an application for a water permit to appropriate 0.18 cubic feet of water per second from one well to be completed into the Big Sioux/Sioux Falls Aquifer (approximately 32 feet deep) located in SW 1/4 NW 1/4 Section 4 for irrigation of 8 acres located in the SW 1/4 NW 1/4, W 1/2 SW 1/4 Section 4 and SE 1/4 NE 1/4 Section 5; all in T101N-R49W. The water will also be used in a restroom at the airport parking building.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7247-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 18, 2011.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pimer, Secretary, Department of Environment and Natural Resources.

Published twice at the total approximate cost of \$110.73. 1339579 June 29, July 6, 2011



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

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

June 22, 2011

Sioux Falls Regional Airport
Dan Letellier
2801 N Jaycee Lane
Sioux Falls SD 57104

Dear Mr. Letellier:

Water Permit Application No. 7247-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Publisher of 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 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 to authorize publication of your Notice and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks. 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
eric.gronlund@state.sd.us

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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

June 22, 2011

Argus Leader
PO Box 5034
Sioux Falls SD 57117

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 7247-3 to Appropriate Water to be published twice. Please publish the first notice on June 29, 2011 with the second publication 7 days later. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Sioux Falls Regional Airport, c/o Dan Letellier, 2801 Jaycee Lane, Sioux Falls SD 57104 (Ph # 605-336-0762).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund /ks

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

-----CUT HERE-----

No. 7247-3

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of June 22, 2011 enclosing Notice to Appropriate Water by Application No. 7247-3 which was first published in our issue of _____. ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.

Name

Newspaper

Instruction to Newspaper - Publish first Notice on June 29, 2011 with the second publication 7 days later. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 7247-3 to Appropriate Water

Notice is given that Sioux Falls Regional Airport – Joe Foss Field, c/o Dan Letellier, 2801 N Jaycee Lane, Sioux Falls SD 57104 has filed an application for a water permit to appropriate 0.18 cubic feet of water per second from one well to be completed into the Big Sioux:Sioux Falls Aquifer (approximately 32 feet deep) located in SW ¼ NW ¼ Section 4 for irrigation of 8 acres located in the SW ¼ NW 1/4, W ½ SW ¼ Section 4 and SE ¼ NE ¼ Section 5; all in T101N-R49W. The water will also be used in a restroom at the airport parking building.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7247-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by July 18, 2011.

The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published twice at the total approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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www.state.sd.us/denr

JUL 21 2011

Sioux Falls Regional Airport
Dan Letellier
2801 N Jaycee Lane
Sioux Falls SD 57104

Dear Mr. Letellier:

Enclosed is Water Permit No. 7247-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

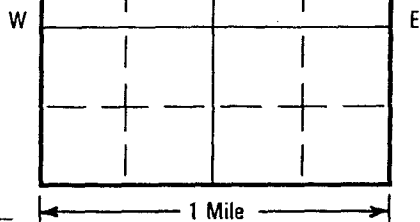
SOUTH DAKOTA WATER WELL COMPLETION REPORT

7247-3

07-92

Location 1/4 NW 1/4 Sec 4 Twp 101 Rg 49
County Minnehaha North

Please mark well location with an "X"



Well-Completion Date

9-10-11

LOCATION:

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

PROPOSED USE:

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

METHOD OF DRILLING:

RotaryCASING DATA: ☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>250</u> LB/FT	<u>5</u> IN	<u>0</u> FT	<u>34</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
<u>2 bags of PP Grout</u>		lb./gal	ft.	ft.
		lb./gal	ft.	ft.

Describe grouting procedure _____

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 5 IN Length 14 FEETMaterial PlasticSlot Size 45 Set From 18 Feet to 32 FeetOther information Gravel Pack2' OF Blind casingWAS 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 ofchlorine

Laboratory sent to for water quality analysis _____

 Well Owner: Sioux Falls Regional Airport
 Business Name: Joe Ross Field
 Address: 2801 W. Jaycee Lane
Sioux Falls S.D 57104

WELL LOG:

DEPTH

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>7</u>
<u>med Sand</u>	<u>7</u>	<u>18</u>
<u>Coarse Gravel</u>	<u>18</u>	<u>32</u>
<u>Blue clay</u>	<u>32</u>	<u>34</u>

STATIC WATER LEVEL 12 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ PumpedDescribe: AIR☐ Bailed☐ Other

Pumping Level Below Land Surface

25 ft. After 24 Hrs. pumped 75 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:

RECEIVED

OCT 19 2011

WATER RIGHTS PROGRAM

Date: _____

WATER RIGHTS PROGRAM -- FILE DOCUMENTATION

NAME & ADDRESS: Dan Letellier, Sioux Falls Regional Airport

DATE: November 29, 2018

TELEPHONE: 605 367-7375

RE: irrigation use under No. 7247-3

COMMENTS:

Water Permit No. 7247-3 authorizes diversion of water from one well (BS:SF) to irrigate 8 acres. The permit also includes authorization to divert from the well for commercial purposes (restroom at the airport parking building).

On the 2018 irrigation questionnaire, Mr. Letellier wrote the following:

- We connected our irrigation system to City treated water in July due to the higher iron content in the untreated well water. Well is now only used for water to the toilet in the parking lot exit booth, which is minimal usage.

The water use system still needs inspected for licensing purposes. Upon inspection, the staff person should find out whether or not the well has been totally disconnected from the irrigation system and whether or not there is a possibility of using the well as a backup for irrigation.

If they will not be using the well as a backup, the water license would be issued for commercial purposes and remove reference to irrigation use.



Genny McMath
Water Rights Program

2020 Water Management Board Irrigation Questionnaire

Please fill out and return before December 4, 2020

REMEMBER! Return of this questionnaire is required whether or not you irrigated this year.

Return the completed form(s) to the Water Rights Program at 523 E Capitol, Pierre, SD 57501 3181 ph. (605) 773 3352 or submit your form(s) electronically over the internet at <https://denr.sd.gov/iq> Your temporary password is **XBUGBH**

Permit No. 7247-3

DAN LETELLIER
SIOUX FALLS REGIONAL AIRPORT
2801 NORTH JAYCEE LANE
SIOUX FALLS SD 57104

Any address/ownership corrections?

Email _____

Phone _____

1. Did you irrigate in 2020? *yes ☐ **no ☒

*If yes, number of acres irrigated? _____

**If no, check reason(s) for not irrigating acres covered by Permit No. 7247-3

sufficient moisture ☐ no water available ☐

system not constructed ☐ use abandoned ☐

enrolled in CRP ☐, through what year? _____

other ☒, please explain in the Comment Box:

2. If your answer to question No. 1 is "no," you are done! If you answered "yes," please complete Nos. 3, 4 & 5.

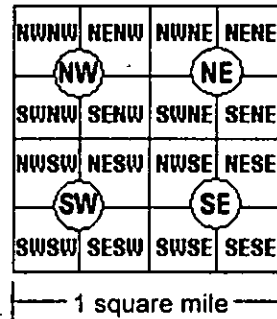
3. Did you apply chemicals or fertilizer through the system in 2020? yes ☐ no ☐

4. If more than one water source is listed below, circle each source used. A. GROUNDWATER

5. Provide your water use on the back of this form.

Comment Box

We are not using the well to irrigate any longer, using treated city water. Well is used to provide water for a bathroom in an ext bath.



Office use only

RECEIVED

OCT 30 2020

WATER RIGHTS
PROGRAM

Acreage permitted for irrigation under No. 7247-3

(see above section map for help reading legal descriptions)

sec 05-T101N-R49W, SE1/4NE1/4 - 1.0 acres

sec 04-T101N-R49W, SE1/4NW1/4 - 3.5 acres

sec 04-T101N-R49W, W1/2SW1/4 - 3.5 acres

Please provide your 2020 water use to irrigate the above acreage on the REVERSE side of this form.

For an example of a completed questionnaire, please refer to the reverse side of your cover letter.

Report of Examination of Works and/or Application of Water to Beneficial Use For Permit No. 7247-3

I have this day, July 16, 2021, made a thorough examination of the water use system constructed by Sioux Falls Regional Airport, c/o Dan Letellier, 2801 N Jaycee Lane, Sioux Falls, SD 57104 of Permit No. 7247-3, bearing the priority of March 22, 2011 authorizing the diversion of 0.18 cu. ft. per of the waters of Big Sioux: Sioux Falls Aquifer for irrigation and commercial purposes, in Minnehaha County.

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: Dave Putzke Well Drilling
- 2) No. of Wells 1
- 3) Depth(s) 32 feet
- 4) Well log is available Y

Casing:

- 1) Diameter 5 inches
- 2) Length 18 feet
- 3) Type Plastic

Screen:

- 1) Type Plastic
- 2) Length 14 feet
- 3) Static water level 12 feet

Pump:

- 1) Make NA
- 2) Model Submersible
- 3) Size NA
- 4) Capacity 50 GPM

Motor:

- 1) Make NA
- 2) Model No. NA
- 3) Horsepower rating NA hp

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Y

Report of Examination of Works

Permit No. 7247-3

- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Y (see Section F)
- 3) Exceptions to compliance are: None

E. Condition and Location:

1. The system is in good condition with the point(s) of diversion located as follows: From the NW corner Sec 4 T101N R49 W, 2200 ft S & 485 ft E, Lat 43.58135 Long -96.72933 (SW ¼ NW ¼ Sec 4)
2. The works are capable of diverting and conveying to the place of use 0.11 cu. ft. per second of water which is to be used for commercial use (rest room).
3. All structures, wells and lands on map Y

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

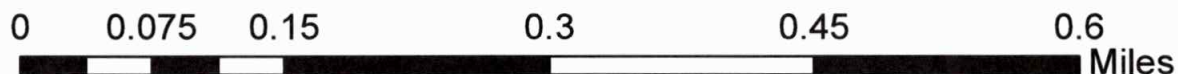
A direct quote from the Airport 2018 Irrigation Questionnaire "We connected our irrigation system to City treated water in July due to the higher iron content in the untreated well water. Well is now only used for water to the toilet in the parking lot exit booth, which is minimal usage."

Another direct quote from Mr. Dan Letellier on July 21, 2021 "Darrell, the pump is capable of putting out 50/gpm. However, we only use the well now for a small restroom. Probably only use 5 gallons of water per day at the most."



Darrell W DeBoer
Water Rights Inspector
DANR, Water Rights Program

Date report completed: July 21, 2021





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

JUL 22 2021

7247-3

Dan Letellier
Sioux Falls Regional Airport
2801 N Jaycee Lane
Sioux Falls SD 57104

Dear Mr. Letellier:

Enclosed is Water License No. 7247-3. This is the final water right document completing the 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

Note: The irrigation component of the original permit was not included on the water license. Since the airport uses treated city water for irrigation purposes, the water license was issued for diversion of well water for commercial purposes only.

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 7247-3

(1) The Sioux Falls Regional Airport, 2801 N Jaycee Lane, Sioux Falls SD 57104 made Application No. 7247-3, March 22, 2011 for a water permit to divert 0.18 cubic feet of water per second from ground water, one well (Big Sioux: Sioux Falls Aquifer), Minnehaha County, South Dakota for irrigation and commercial purposes. Permit No. 7247-3, with a priority date of March 22, 2011 was approved July 18, 2011 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 18, 2016 and for the application to beneficial use of said water on or before July 18, 2020.

Water Permit No. 7247-3 authorized diversion of ground water for both irrigation and commercial uses. Irrigation from the well has been discontinued due to the high iron content in the untreated well water. The airport connected to the city's municipal water supply in 2018 to irrigate green spaces. The well water is now used for commercial purposes only in the restroom facility at the airport parking building.

(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 0.11 cubic feet of water per second for beneficial use. The location of the diversion point is:

- 2,200'S and 485'E of the NW corner of Section 4, T101N, R49W (SW ¼ NW ¼ Section 4)
Latitude 43.58135, Longitude -96.72933

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 Sioux Falls Regional Airport, 2801 N Jaycee Lane, Sioux Falls SD 57104 the holder and/or owner of Water Right No. 7247-3 is issued a license to appropriate water, the right to use 0.11 cubic feet of water per second from ground water, one well (Big Sioux: Sioux Falls Aquifer) with a priority date of March 22, 2011 from the location specified in (2) of this license for commercial purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Right No. 7247-3 and subject to the following qualifications:

- If development and pumping of Sioux Falls Management Unit of the Big Sioux Aquifer water appropriated by this permit results in adverse impairment of adequate domestic wells or adequate wells having prior rights, reduction of withdrawals or mitigation may be necessary. SDCL 46-1-5(1), in giving preference to domestic use over appropriative rights does so without regard to 1) whether lowered groundwater levels are due to drought, 2) the location of the domestic wells in the aquifer, or 3) the thickness of the water bearing sands and gravel; subject to compliance with minimum requirements for adequate wells as defined by Board Well Construction Standards, Chapter 74:02:04.

continued

- The well approved will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this water right shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
- The well authorized by Permit No. 7247-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. ***The well was drilled in September, 2011 by Dave Putzke Well Drilling & Repair Inc. A copy of the well completion report is on file with the Water Rights Program.***



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



date

