Kansas Department of Agriculture Division of Water Resources PERMIT OF NEW APPLICATION WORKSHEET

1. File Number: 50,904	2. Status Change Date: 8/1/2024	3. Field Office:	4. GMD:
5. Status: ⊠ Approved ☐ Denied by	DWR/GMD	Dismiss by Request/Failure	to Return
6. Enclosures: ⊠ Check Valve ⊠ N of C Form	⊠ Water Tube	☑ Driller Copy	☑ Meter
7a. Applicant(s) Person ID 6 New to system ☐ Add Seq# _	7c. Landowr New to s		Person IDAdd Seq#
TYLER PETERSON 1567 N 110TH MINNEAPOLIS, KS 67467 7b. Landowner(s) Person ID 6	8124 7d. Misc.		Person ID
New to system Add Seq# TANDIS M PETERSON TRUST #1 133 S COUNTRY ESTATES DR SALINA, KS 67401	New to s	ystem 🗌	Add Seq#
8. WUR Correspondent Person ID New to system ☐ Add Seq# Overlap File (s) WUC Notarized WUC For Agree ☐ Yes ☐ No	7''''	⊠ Groundwater ☐ S	Surface Water
7b	⊠ IRR □ STK □ HYD DRG □ IND SIC:	□ SED □	DEW MUN DOM CON ART RECHRG R:
10. Completion Date: 12/31/2025 11. Pe	rfection Date: 12/31/2	029 12. Exp Da	ate:
13. Conservation Plan Required? ☐ Yes ☒ No Date Re 14. Water Level Measuring Device? ☐ Yes ☒ No Da			
	Date Prep Date Rev Date Ente	iewed: 8/6/2024 B	y: KJN y: KAK y:

File No.	50,904			15	. Formatio	n Cod	e: 330	١	Drainage Basin: SOLOMON RIVER				2 (County	/: OT	Special Use: Stream:										
16. Poin	ts of Divers	sion															17. R	ate ar	nd Qua	antity						
MOD																		Α	uthori	zed			Additiona	al		
DEL ENT	PDIV		Qualit	fier	S	-	Γ	R	ID		'N		W				Rate gpm		Qı	antity af		Rate gpm		Quantity af	Ove	rlap PD Files
СНК	89886	NV	V NW	/ SE	20	9	S	3W	2		217	70	20	65 (GEO)	80	0	1	80		800		180		none
СНК	89887	NV	V NW	SE	20	9	S	3W	3		247	70	20	65			Batt 1 of 4									
СНК	89888	SV	/ NW	SE	20	9	S	3W	4		187	70	200	65			Batt 1 of 4									
снк	89889	NE	NW	SE	20	98	3 :	3W	5		217	0	176	55			Batt 1 of 4									
СНК	89890	NV	V NW	/ SE	20	98	3	3W	6		217	70	23	65			Batt	1 of	4							
									BAT		23	19														
18. Stora	ige: Rate _				N	F	Qua	ntity _					ac/ft	Д	dditior	nal Ra	ite				NF	Add	itional Qua	antity		ac/ft
19. Limit	ation:				af/yr a	t				gpm (cfs) w	hen co	ombin	ed witl	h file n	numbe	r(s)						
Limit	ation:				af/yr a	t				gpm (cfs) w	hen co	ombin	ed witl	h file n	umbe	r(s)						
20. Mete	r Required	? ⊠`	∕es □] No		То	be ins	talled l	by		12	2/31/	202	5		[ate A	ccepta	ıble M	eter Inst	alled _					
21. Plac	e of Use						NE	1/4			NN	J ¹/₄			sw	J ¹/₄			\$	SE1/4		Total	Owner	Chg?	NO	Overlap Files
MOD DEL ENT	PUSE S	2	т р		ID	NE 1/4	NW 1⁄4	SW 1/4	SE 1⁄4	NE 1⁄4	NW 1⁄4	SW 1/4	SE 1⁄4	NE 1⁄4	NW 1⁄4	SW 1/4	SE 1/4	NE 1/4	NW 1/4	SW 1/4	SE 1/4					
	0662 2				1													34.0	39.50	39.0	26.0	138.5	7b	no		none
Commer	nts:																<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>					

MEMORANDUM TO FILE

Division of Water Resources, Water Appropriation Program

Date: June 27, 2024

From: Kris Neuhauser, Environmental Scientist Re: New Application File No. 50,904 – Tyler Peterson

Summary

Tyler Peterson has filed an application to appropriate groundwater to irrigate 138.5 acres in Ottawa County, Kansas, requesting a battery of (4) four wells, with a quantity of 180 acre-feet of water per calendar year, at a diversion rate of 800 gallons per minute. There are no other appropriations or water rights that will overlap in point of diversion or place of use.

Reasonable Rate and Quantity

The proposed quantity of 180 acre-feet per calendar year provides 1.3 acre-feet per acre, making it the maximum reasonable quantity for Ottawa County $(1.3 \times 138.5 \text{ acres} = 180 \text{ acre-feet})$.

Source of Supply and Safe Yield

Based on the well log, nearby logs and the 'Top Configuration of the Dakota Aquifer' geologic map (via KGS, circa 1995), the source of supply appears to the unconfined Dakota Aquifer. Evaluation of the area of consideration included the extent of the confined aquifer, which provided an area of consideration of 8,042 acres. With a potential annual recharge of 2.6 inches, and 75% of recharge available for appropriation, safe yield was determined to be 1,306.90 acre-feet. Existing water rights have appropriated 672 acre-feet, providing a difference of 634.9 acre-feet available for appropriation, and the application requesting 180 acre-feet complies with safe yield.

Nearby Water Rights

The closest non-domestic well is over 6,400 feet away, authorized by Appropriation of Water, File No. 50,898, which also sources the unconfined Dakota aquifer. The closest domestic well is roughly over 2,200 feet away. Based on K.A.R. 5-4-4, well spacing criteria for wells sourcing unconfined Dakota is met. Two domestic wells fall within one half mile of the point of diversion, therefore, two nearby notification letters were required. The letter was mailed on April 16, 2024. No responses have been received to date.

Recommendations

Kelly Stewart, Water Commissioner of the Stockton field office recommended approval of the application on June 28, 2024. Based on the above discussion, the area is open to new appropriations, the application complies with safe yield and well spacing criteria, and approval of the application should not impair senior water rights nor prejudicially or unreasonably affect the public interest. Therefore, it is recommended that the referenced application be approved.

From: Stewart, Kelly [KDA]

Sent: Fri 6/28/2024 1:15 PM

To: Neuhauser, Kris [KDA]

Cc: Billinger, Mark [KDA]; Means, David [KDA]; Hageman, Nancy [KDA]

Subject: RE: 50904 recommendation request

Kris,

I recommend approval of this application.

Kelly

From: Neuhauser, Kris [KDA] < Kris. Neuhauser@ks.gov>

Sent: Friday, June 28, 2024 11:55 AM

To: Stewart, Kelly [KDA] <Kelly.Stewart@ks.gov>

Cc: Billinger, Mark [KDA] <Mark.Billinger@ks.gov>; Means, David [KDA] <David.Means@ks.gov>

Subject: 50904 recommendation request

Kelly,

Attached is my draft memo and SY report for 50904, a new app from Tyler Peterson in Ottawa County.. just a bit north of 50898 that I just sent you. Based on our current Dakota method, using the KGS top configuration of the Dakota aquifer map, we are calling this unconfined and using the full two-mile circle. Spacing and SY pass.

Let me know if you need anything else. TGIF.

Kris Neuhauser

New Applications Lead Kansas Department of Agriculture, Division of Water Resources

Phone: 785-564-6643

Safe Yield Report Sheet Water Right- A5090400 Point of Diversion in 20-09S-03W Footages from SE corner- 2,170 feet North 2,065 feet West



Analysis Results

The selected PD is in an area OPEN to new appropriations.

The safe yield based on the variables listed below is 1,306.90 AF.

Total prior appropriations in the circle is 852.00 AF. - 180 = 672 AF

Total quantity of water available for appropriation is 454.90 AF.

634.9 AF AVAILABLE*

Safe Yield Variables

The area used for the analysis is set at 8,042 acres.

The potential annual recharge at the circle center is estimated to be 2.6 inches.

The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 24-JUN-2024 and are based on Appropriated and Vested ground water right and possible stream nodes for GMD #2. Domestic, Term and Temporary water rights have been excluded.

There are 4 water rights and 8 points of diversion within the circle.

File Number	Use	ST	SR	Q4 Q	3 Q	2 Q1	FeetN	FeetW	Sec	Twp F	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 30051 00	IRR	NK	G	S	E S	E SE	50	235	24	09 04	4W	4	WR	113.00	113.00	132.00	132.00
A 49032 00	IRR	LR	G	N	W S	E NW	3953	3872	16	09 03	3W	1	WR	208.00	208.00	160.00	160.00
A 50898 00	IRR	AY	G			SW	1320	3960	29	09 03	3W	1	WR	351.00	351.00	270.00	270.00
· A 50904 00	IRR	AY	G	N	W N	W SE	2170	2065	20	09 03	3W	2	WR	180.00	180.00	138.50	0.00
Same	IRR	AY	G	N	WN	W SE	2470	2065	20	09 03	3W	3	WR				
Same	IRR	AY	G	SV	V N	W SE	1870	2065	20	09 03	3W	4	WR				
Same	IRR	AY	G	N	E N	W SE	2170	1765	20	09 03	3W	5	WR				
Same	IRR	AY	G	N	WN	W SE	2170	2365	20	09 03	3W	6	WR				

50904 PASSES SY*

KANSAS DEPARTMENT OF AGRICULTURE Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCESEarl D. Lewis Jr., Chief Engineer

APPROVAL OF APPLICATION and PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. 50,904 of the applicant

TYLER PETERSON 1567 N 110TH MINNEAPOLIS, KS 67467

for a permit to appropriate water for beneficial use, together with the maps, plans and other submitted data, and that the application is hereby approved and the applicant is hereby authorized, subject to vested rights and prior appropriations, to proceed with the construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a, as amended), and to proceed with all steps necessary for the application of the water to the approved and proposed beneficial use and otherwise perfect the proposed appropriation subject to the following terms, conditions and limitations:

- 1. That the priority date assigned to such application is **November 2, 2022**.
- 2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

	NE1⁄4					NV	V1/4			SV	V1/4			SE	Ξ1/4		TOTAL
Sec. Twp. Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	TOTAL
20 - 9S - 3W						<u>.</u>							34.0	39.5	39.0	26.0	138.5

- 3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells, with a geographical center located in the Northwest Quarter of the Northwest Quarter of the Southeast Quarter (NW¼ NW¼ SE¼) of Section 20, more particularly described as being near a point 2,170 feet North and 2,065 feet West of the Southeast corner of said section, in Township 9 South, Range 3 West, Ottawa County, Kansas, located substantially as shown on the topographic map accompanying the application.
- 4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800** gallons per minute (1.78 c.f.s.) and to a quantity not to exceed **180** acre-feet of water for any calendar year.

File No. 50,904 Page 2 of 3

5. That installation of works for diversion of water shall be completed on or before <u>December 31</u>, <u>2025</u>, or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

- 6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before <u>December 31, 2029</u>, or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.
- 7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.
- 8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.
- 9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.
- 10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.
- 11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.
- 12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.
- 13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).
- 14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

- 15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.
- 16. That the right to appropriate water under authority of this permit is subject to any minimum desirable streamflow requirements identified and established pursuant to K.S.A. 82a-703c for the source of supply to which this water right applies.
- 17. That this permit is further limited such that all wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, shall be limited to a total maximum combined diversion rate not in excess of **800 gallons per minute (1.78 c.f.s.)** and shall supply water to a common distribution system.
- 18. That failure without cause to comply with provisions of the permit and its terms, conditions and limitations will result in the forfeiture of the priority date, revocation of the permit and dismissal of the application.

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Ordered this	15+	day of	Hu	just

, 2024, in Manhattan, Riley County, Kansas.

Lane P. Letourneau, P.G.
Water Appropriation Program Manager
Division of Water Resources
Kansas Department of Agriculture

State of Kansas)) SS

County of Riley

The foregoing instrument was acknowledged before me this / st day of August , 2024, by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.

Notary Public

VICKIE L. BELANGER My Appointment Expires December 21, 2027 1320 Research Park Drive Manhattan, KS 66502 785-564-6700 www. agriculture.ks.gov



900 SW Jackson, Room 456 Topeka, KS 66612 785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

August 9, 2024

TYLER PETERSON 1567 N 110TH MINNEAPOLIS KS 67467

RE:

Appropriation of Water

File No. 50,904

Dear Mr. Peterson:

Enclosed is a permit authorizing you to proceed with construction of the proposed diversion works and to appropriate water for beneficial use as set forth in the permit. Your attention is directed to the enclosures and to the terms, conditions, limitations, and requirements specified in this permit.

Notice must be filed on the enclosed form once the diversion works have been completed. Failure to complete the diversion works within the time allowed, or within any authorized extension of time thereof, will result in dismissal of this permit. If you need an extension of time, you must request it before the deadline for completion set forth in the permit. Any request for an extension of time must be accompanied by the statutorily required fee, which is currently \$100.00.

An annual water use report must be filed with the Chief Engineer by March 1, following the end of each calendar year. If a complete annual water use report is not received by the deadline, then a fine may be assessed and all water use under such permit or right may be suspended. Reports submitted in paper form will be assessed a \$20 per file number paper filing fee. In order to avoid this filing fee, you may submit your report online at www.kswaterusereport.org.

The approval of your application constitutes a permit to appropriate water. It does not give authority to construct any dam or other stream obstruction regulated by K.S.A. 82a-301 through 305a. It does not give authority to access any right-of-way or authorize trespassing upon or injury to public or private property. It may also be necessary for you to comply with other local, state or federal requirements.

Enclosed is an informational sheet that sets forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your perfected water right. Additional information and applicable forms may be found on our website at <u>agriculture.ks.gov/dwr</u>. If you have any questions or need assistance with any of these requirements, please contact our office at 785-564-6640, or your local Stockton Field Office at 785-425-6787. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kristen A. Baum

New Applications and Changes Supervisor

Division of Water Resources

KAB:kak:kjn Enclosure(s)

pc: Tandis M. Peterson Trust #1

Stockton Field Office

RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may request an evidentiary hearing before the Chief Engineer or request administrative review by the Secretary of Agriculture. Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary.

To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (i.e., within a total of 18 days after this Order was mailed to you), with: Kansas Department of Agriculture, Attn: Legal Division, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX 785-564-6777.

If you do not file a request for an evidentiary hearing before the Chief Engineer, you may petition for administrative review of the Order by the Secretary of Agriculture. A petition for review shall be in writing and state the basis for requesting administrative review. The request for review may be denied if the request fails to clearly establish factual or legal issues for review. See K.S.A. 77-527. The petition must be filed within 30 days after service of this Order as provided in K.S.A. 77-531 (i.e., within a total of 33 days after this Order was mailed to you), and be filed with: Secretary of Agriculture, Attn: Legal Division, Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX 785-564-6777.

If neither a request for an evidentiary hearing nor a petition for administrative review is filed as set forth above, then this Order shall be effective and become a final agency action as defined in K.S.A. 77-607(b). Failure to timely request either an evidentiary hearing or administrative review may preclude further judicial review under the Kansas Judicial Review Act.

CERTIFICATE OF SERVICE

On this 9th day of August , 2024, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 50,904, dated August / , 2024, was mailed postage prepaid, first class, US mail to the following:

TYLER PETERSON 1567 N 110TH MINNEAPOLIS KS 67467

With photocopies to:

TANDIS M PETERSON TRUST #1 133 S COUNTRY ESTATES DR SALINA KS 67401

KDA-DWR Stockton Field Office

Division of Water Resources