12/3/2024, 10:01 AM

Submit To: CHIEF ENGINEER Division of Water Resources Kansas Department of Agriculture 1320 Research Park Drive Manhattan, KS 66502-5000 http://agriculture.ks.gov/dwr

APPLICATION FOR PERMIT TO Water Resources APPROPRIATE WATER FOR BENEFICIAL USE KS Dept Of Agricultus

Received

KS Dept Of Agriculture
State of Kansas

STATUTORY FILING FEE MUST ACCOMPANY THIS APPLICATION Please refer to the Fee Schedule attached to this application form.

		File Number:	51367 he Division of Water Resources staff.				
		This term to be dempleted by t	The Division of Water Resources stan.				
1.	Name of Applicant: Strath	man Farms LLC					
	Address: 1301 31st RD						
	City: Baileyville		State: KS Zip	Code: 66404			
	Phone: 785-548-6280	E	mail: strathman@bluevalley.net				
			NEE	DS STREAM NAME			
2.	The source of water is:	X surface water in Unna	med Tributary				
			(strea Fork Black Vermillion River	m)			
			(drainage	basin)			
3.	The maximum annual qua	antity of water desired is ¹²⁹	1.84				
•		•		tural flows natural evaporation			
	• •	_		ual quantity of water desired to be			
	rediverted is 129.84	[X] acre-feet	gallons, at a rate of 1200	X gpm ☐ c.f.s.			
			sion Factors				
			F) = 325,851 gallons ng) = 3.07 acre-feet (AF)				
	1) = 448.8 gallons per minute (gpm)			
dive cer	ersion and maximum reque	sted annual quantity of wate	er under that priority number c	r, the requested maximum rate of an NOT be increased. Please be ar are appropriate and reasonable			
4.	The water is intended to b	pe appropriated for the follow	ving use(s):				
	Artificial Recharge	e* X Irrigation*	☐ Recreational*	☐ Water Power*			
	☐ Industrial*	☐ Municipal*	☐ Stockwatering*	Sediment Control			
	□ Domestic	Dewatering	☐ Hydraulic Dredging	☐ Fire Protection			
	☐ Thermal Exchange ☐ Contamination Remediation						
		st submit a supplemental for Item No. 3 for the intended of		substantiate your request for the			
Cod	REG _{Fee \$ 200} - TR#	DUA Use IRR Source	CE USE ONLY SW County MS By KJN Deceipt Date 12/03/2024	ate12/6/24 _ Check#			

File No.

5.	The location(s) of the proposed diversion work(s) (well, pumpsite, etc.) are described below. Note that for the
	application to be accepted, the point of diversion location(s) must be described to at least a 10-acre tract, unless you
	specifically request a 60-day period of time in which to locate the site within a specifically described, minimal legal
	quarter section of land. You can specify a nickname for the point of diversion via the A.K.A. line to help you identify it.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (¼) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300-foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800gpm and which supply water to a common distribution system.

	(A)	One in the $\frac{NE}{}$ quarter of the $\frac{SW}{}$ quarter of the $\frac{NE}{}$ quarter of Section $\frac{13}{}$, more parts	articularly described
		as being near a point $\frac{3720}{1}$ feet North and $\frac{1330}{1}$ feet West of the Southeast corner	
		Township 3 South, Range 10 XE W, Marshall County, KS. A.K.A:	
	(B)	One in the quarter of the quarter of the quarter of Section, more page	articularly described
		as being near a point feet North and feet West of the Southeast corner	of said section, in
		Township South, Range DE DW,County, KS. A.K.A:	
	(C)	One in the quarter of the quarter of the quarter of Section, more page	articularly described
		as being near a point feet North and feet West of the Southeast corner	of said section, in
		Township South, Range DE DW,County, KS. A.K.A:	
	(D)	One in the quarter of the quarter of the quarter of Section, more pa	articularly described
		as being near a point feet North and feet West of the Southeast corner	of said section, in
		Township South, Range □E □W,County, KS. A.K.A:	_
	(E)	One in the quarter of the quarter of the quarter of Section, more pa	articularly described
		as being near a point feet North and feet West of the Southeast corner	of said section, in
		Township South, Range DE DW,County, KS. A.K.A:	
6.		e proposed project for diversion of water will consist of 1 Dam (number of wells, pumps, dams, etc.) d was/will be completed on or by the following date: April 2025	
		(date each was or will be completed)	
7.	The	e first actual application of water for the proposed beneficial use was or is estimated to be April	2025
			(Date)
8.	dive to e	et any application, appropriation of water, water right, or vested right file number that covers the tersion or any of the same place of use described in this application. Also list any other recent existing permits or water rights in conjunction with the filing of this application. is structure will be filled with a Direct diversion from the Creek east of it and will have a complete overlap	
	in p	place of use with the direct diversion and will act as storage for the direct diversion	
			12/3/2024

Yes № No		File No.	
Yes № No	9.	Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?	
area capacity table and inform us of the total acres of surface drainage area above the reservoir. Have you made an application for a permit for construction of this dam and reservoir with DWR? If yes, write the Water Structures permit number here: If yes, write the Water Structures permit number here: The application must be supplemented by a topographic map, aerial photograph or a detailed plat information described in A-D below. (A) The center of the section, the section lines or the section corners, and labels showing the approptownship and range numbers, as well as a north arrow and scale, (B) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other dividescribed in Item No. 5 of the application, showing the North-South distance and the East-West dissection line or southeast corner of section, (C) The location of the proposed place of use identified by crosshatching, (D) For Groundwater Use, the location of any existing water wells of any kind within ½ mile of the prowells and indicate for each well its type of use and the name and mailing address of the property own (If there are no wells within ½ mile, please indicate that on the map.) For Surface Water Use, the names and addresses of the landowner(s) ½ mile downstream and ½ r from your property lines, and (E) The locations of proposed or existing dams, dikes, reservoirs, canals, pipelines, power houses, a structures for the purpose of storing, conveying, or using water. 12. For groundwater use, furnish copies of the driller's logs for all test holes or completed wells. Please of driller's logs provide depth to the static water level. If driller's logs cannot be obtained for an existing we following information: Well location as shown in Item No. 5 (A) (B) (C) (D) Date drilled Total depth of well Depth to static water level		Yes No If yes , a check valve shall be required. All chemigation safety requirements must be met including	
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APPLICANT (name, address, and phone)		Depth to static water level	
(name, address, and phone) 12/3/202		(name, address, and phone)	
(name, address, and phone) 12/3/202			
		(name, address, and phone) 12/3/2024	

Water Resources Received

				FIIE	No
14. The owner(s	s) of the propert	y where the wate	er is used, if other tha	an the applicant, is:	
			(name, address, and p	phone)	
			(name, address, and p	phone)	
15. The relation	ship of the appli	cant to the prop	osed place where the	e water will be used is	s that of:
□Owner	XAgent	□Tenant	Other:		
must be file the owner(s application,	d with the Divisi) to a civil fine o	on by March 1 of f up to \$1,000 a owner(s) of the	of each year. Failure nd potential suspens	to timely file an accuion of the water appr	e annual water use report, which trate water use report will subject opriation or right. By signing this lat the following person or agent
			(name, address, and p	phone)	
when I won water. Situater not met a Water Res necessary to	uld not be allo ations where this when Assuran servation Right of prevent impair	wed to divert was might occur made occur made occur made of the occur of a fect of the occur of a fect occur of a fect occur of a fect occur of a fect occur occur of a fect occur o	vater. This could a ay include times whe ater Marketing releas deral reservoir is adm	ffect the economics on minimum desirable ses are made from st inistered, or when wa	the Division of Water Resources, of my decision to appropriate streamflow (MDS) requirements orage in federal reservoirs, when ter rights administration becomes t(s) of diversion described in this
By signing I	below, I verify t	hat the informat	wner's authorized re- tion set forth above cation is submitted in	is true to the best of	f my knowledge, I agree with all
Signed	by:				11/26/2024
(Αρβιίζα	it Sighature)				(Date)
(Applicar	nt Name – please	print)			
(Applicar	nt Title, if applicab	le – please print)			
Darcy Assisted by	/ Nightingale		MWI LLC	Date Date	11/22/2024 e:
			(Office	e/title)	

FEE SCHEDULE

Water Resources Received

Make checks payable to the Kansas Department of Agriculture.

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic, waterpower, dewatering, or sediment control use, shall be (see No. 2 below if requesting storage):

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 32.585	≤ 100	\$200.00
32.586 - 104.272	100.1 – 320.0	\$300.00
> 104.272	> 320	\$300.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

2. The fee for an application in which storage of water is requested, except for domestic use, shall be:

Million Gallons (mg)	Acre-Feet (AF)	Fee		
≤ 81.462	≤ 249.9	\$200.00		
		\$200.00		
≥ 81.463	≥ 250	plus \$20 for each additional 100AF		
		(32.586mg) or any part thereof		

Note: If an application requests both direct use and storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for waterpower or dewatering use shall be \$100.00 plus \$200.00 for each 44,880 gallons per minute (100 c.f.s.), or part thereof, of the diversion rate requested.

IMPORTANT NOTICE

If this application is approved, the applicant shall notify the Chief Engineer when the diversion works (well, pump, reservoir, pit, etc.) has/have been completed via the Notice of Completion of Diversion Works form (DWR 1-203.11) and along with the statutorily required field inspection fee of:

- \$200.00 for sediment control use or groundwater pits for industrial use, or
- \$400.00 for all other uses made of water

Failure to complete the diversion works by the deadline specified in the Approval of Application and Permit to Proceed (or any subsequent extension of time of said deadline) and/or failure to submit the proper notice and field inspection fee will result in the dismissal of the appropriation and forfeiture of any priority associated with it.

For assistance with this application, please contact the Division of Water Resources (DWR).

Manhattan HQ 1320 Research Park Dr. Manhattan, KS 66502 785-564-6638

Topeka Field Office 1131 SW Winding Rd, Ste 400 Topeka, KS 66615 785-296-5733

Stafford Field Office 300 S. Main St Stafford, KS 67578 620-234-5311

Stockton Field Office 820 S. Walnut Stockton, KS 67669 785-425-6787

Garden City Field Office 4532 W. Jones Ave, Ste B Garden City, KS 67846 620-276-2901

Helpful Sources of Information

DWR Water Appropriation Program DWR Water Appropriation Forms KGS Water Well Completion Records **DWR Structures Program**

https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-appropriation-forms https://www.kgs.ku.edu/Magellan/WaterWell/index.html https://agriculture.ks.gov/divisions-programs/dwr/dam-safety/permit-requirements

IRRIGATION USE SUPPLEMENTAL SHEET

Water Resources Received

KS Dept Of Agriculture

							Fi	le No	·										3 3
			Nan	ne of	Appli	cant (Pleas	e Prir	nt): <u>S</u>	trathn	nan F	arms	LLC					_	
1. I	Please lesign	supp ate th	ly the	e nam ıal nu	e and	addr	ess o	f each be im	n land rigated	lowne d in e	er, the	legal orty ac	l desc ere tra	riptio	n of t fraction	the la	nds to	be in there	rigated, and
Land	lowne	er of I	Recor	·d :	NAM	E: <u>Stı</u>	rathm	an Fa	rms L	LC_									
				ADI	DRES	S: <u>13</u>	01 31	st RD	Baile	yville	e, KS	66404	4						
S	Т	R		NI	E1/4	1		NV	V1/4	ı		SV	V1/4			SE	E1/4		TOTAL
	1	K	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	TOTAL
3	3	10E										40	40						80
18	3	10E						22.5	39										61.5
13	3	10E	29.5	38	36	33									36	40	40	26	278.5
																			Total 420
Land	lowne	er of I	Recor		NAM DRES														
S	Т	R		NI	E1/4		NW ¹ / ₄ SW ¹ / ₄				V ¹ / ₄						TOTAL		
	1	K	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	TOTAL
Land	lowne	r of I	Recor	·d	NAM	E:													
				ADI	DRES	S:													
NE½ NW¼ SW¼					SE	E1/4													
S	Т	R	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	TOTAL

APP MAP

Water Resources
Received riculture 3 South LO East

Water Resources Received

KS Dept Of Agriculture

STORAGE CALCULATIONS

TOTAL RESERVOIR CAPACITY = 41.2 AF
DIRECT USE = 83.64 AF
TOTAL RESERVOIR SURFACE AREA = 6 ACRES

1 YEAR NET EVAPORATION = 6 ACRES X 10"/12" = 5 AF STORAGE = 83.6 AF+ 41.2 + 5 = 129.84 AF

UPSTREAM AND DOWNSTREAM LANDOWNERS

Upstream -

- #1) Jerry L and Madonna S Haug Family Trust 3091 Meadowlark RD Baileyville, KS 66404
- #2) Shirley Loyal E TRUST 1698 30th RD Vermillion KS 66544

Downstream -

- #1) Duane & Shirley Polson Living TST 2592 Ridge RD Vleits, KS 66544
 - #2 Brad & Janet Morrison Haug 1587 31st RD Vermillion, KS 66544

Water Resources Received

KS Dept Of Agriculture

PDFs
Mean Annual Precipitation
Soil Cover Complex

Mean Annual Precip, in	40
Soil Cover Complex No.	76
Drainage Area, acres	52
Runoff at 20% Chance, AF	83.64

DO NOT EDIT BELOW THIS LINE

% Chance Firm Coefficients									
	50%	80%	90%						
а	0.5317	0.1216	0.0527						
b	1.0815	1.2538	1.3547						

%Chance Firm	Runoff, in	Comp. Runoff, in
50%	6.49	6.49
80%	2.21	2.18
90%	1.21	1.23
20%		19.30

Std. Dev. 90%	1.31
Std. Dev. 80%	1.28
Avg	1.29

Mean annual runoff for CN = 75, inches	9.80
Mean annual runoff for CN = 80, inches	11.35
Interp. Mean annual runoff for CN = 76, inches	10.11

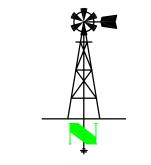
TOPOGRAPHIC SURVEY

Compute Proposed Stream Obstruction Volume in the Northeast One-Quarter of Section 13, Township 3 South, Range 10 East of the

Sixth Principal Meridian, Marshall County, Kansas

Sixth Principal Meridian, Mars

Contour	Area	1' Volume	Total Volume	Ac. Ft.	Embankment	Height
1224	-					
1225	186.74	93.37	93.370	0.0021		9.18
1226	5,931.25	3,059.00	3,152.365	0.0724		10.18
1227	9,134.01	7,532.63	10,684.995	0.2453		11.18
1228	12,193.93	10,663.97	21,348.965	0.4901		12.18
1229	18,848.97	15,521.45	36,870.415	0.8464		13.18
1230	30,021.09	24,435.03	61,305.445	1.4074		14.18
1231	39,360.87	34,690.98	95,996.425	2.2038		15.18
1232	47,447.15	43,404.01	139,400.435	3.2002		16.18
1233	58,056.33	52,751.74	192,152.175	4.4112		17.18
1234	68,548.97	63,302.65	255,454.825	5.8644		18.18
1235	79,686.79	74,117.88	329,572.705	7.5659		19.18
1236	91,724.66	85,705.73	415,278.430	9.5335		20.18
1237	103,436.36	97,580.51	512,858.940	11.7736		21.18
1238	114,447.13	108,941.75	621,800.685	14.2746		22.18
1239	125,750.00	120,098.57	741,899.250	17.0317		23.18
1240	138,387.73	132,068.87	873,968.115	20.0635		24.18
1241	154,321.52	146,354.63	1,020,322.740	23.4234		25.18
1242	171,860.38	163,090.95	1,183,413.690	27.1674		26.18
1243	191,623.05	181,741.72	1,365,155.405	31.3397		27.18
1244	214,643.46	203,133.26	1,568,288.660	36.0030		28.18
1245	239,813.53	227,228.50	1,795,517.155	41.2194	13,241	29.18
1246	266,191.71	253,002.62	2,048,519.775	47.0275	15,136	30.18
1247	297,097.46	281,644.59	2,330,164.360	53.4932	17,203	31.18
1248	331,564.84	314,331.15	2,644,495.510	60.7093	19,458	32.18



SCALE: 1" = 200'

General Notes for Site:

No Field verification of LiDAR elevations performed. Front toe of stream obstruction elevation: 1224.84' Rear toe of stream obstruction elevation: 1215.82' Assumed top of structure width: 12' 12/3/2024

Assumed front and back slope: 3:1

Water Resources Received

KS Dept Of Agriculture

AWING ORIGINALLY CREATED AT ED SCALE. IF LINE BELOW DOES EE I INCH, DRAWING HAS BEEN

NE 1/4 Sec 13, T3S, R10E Marshall County, Kansas Stream Obstruction MWI - Rick Strathmen

ı		
	SCALE	1"=200'
•	FIELD ON:	-
	CHK. BY	MARCY
	DWN. BY	BRENT
	DATE:	11/19/17
	SHEET 1	OF 2

JOB NO. 5262.80

LAND SURVEYOR'S CERTIFICATE THIS IS TO CERTIFY THAT THIS SURVEY

400

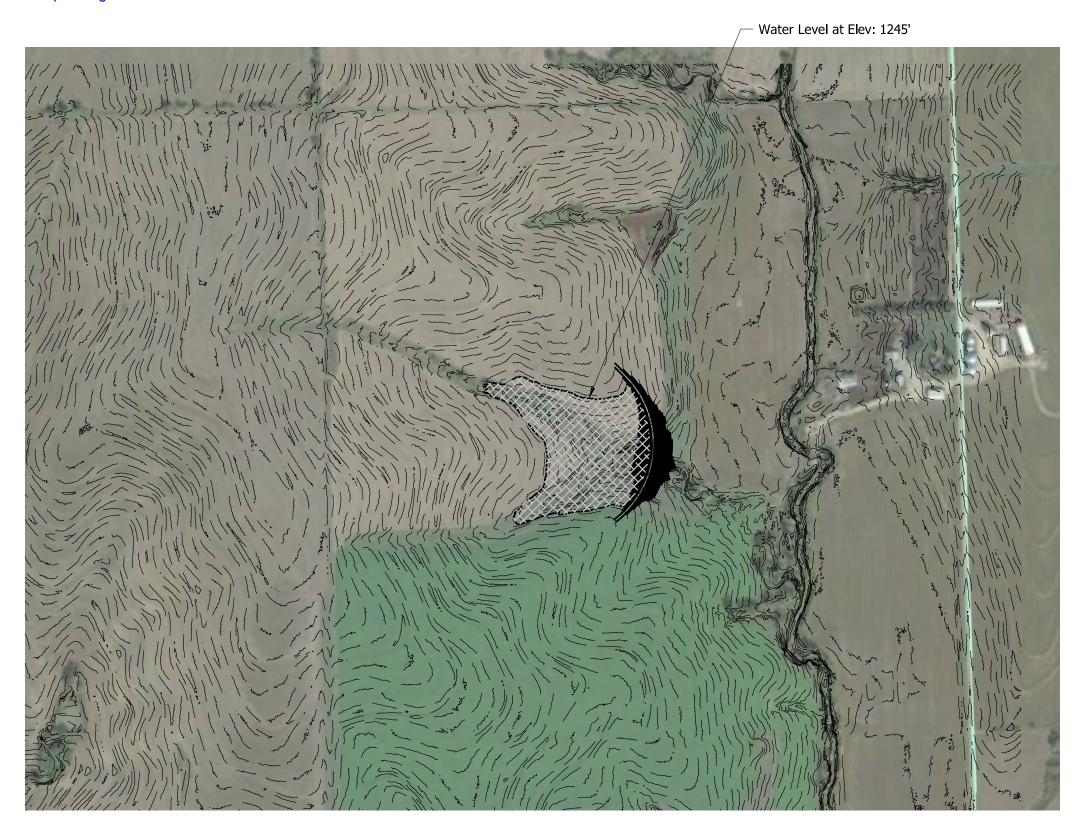
WAS DONE BY THE UNDERSIGNED, AND THAT THE SURVEY WAS DONE ON THE GROUND ON

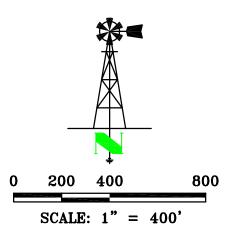
TOPOGRAPHIC SURVEY

Water Resources Received

Compute Proposed Stream Obstruction Volume in the Northeast One-Quarter of Section 13, Township 3 South, Range 10 East of the Sixth Principal Meridian, Marshall County, Kansas

KS Dept Of Agriculture





NE 1/4 Sec 13, T3S, R10E Marshall County, Kansas Stream Obstruction

SCALE	1"=400'
FIELD ON:	1
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	11/19/17
CUEET 3	05 2

JOB NO. 5262.80 DRAINAGE MAP

Water Resources KS Dept Of Agriculture 3 South 52 acres Drainage LO East

MWI, LLC

12/3/2024

PREPARED BY:

Water Resources Received

Darcy Nightingale

KS Dept Of Agriculture

Please copy any applicant correspondence to the email and address below:

1215 Oregon St. Hiawatha, KS 66534 785-285-8065 Darcy@mwivalley.com



Strathman Farms Pond





Certificate Of Completion

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darcy@mwivalley.com

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Water Resources

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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

December 11, 2024

STRATHMAN FARMS LLC 1301 31ST RD BAILEYVILLE KS 66404

RE: Application, File No(s). 51367

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at <u>agriculture.ks.gov/divisions-programs/dwr</u>. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser New Applications Lead Water Appropriation Program