

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 APPROPRIATE WATER FOR BENEFICIAL USE



State of Kansas

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

File Number: **51370**

This item to be completed by the Division of Water Resources staff.

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KS DEPT OF AGRICULTURE
4:52 PM

1. Name of Applicant: Tony R Strnad
Address: 821 Nickel Rd
City: Scandia State: KS Zip Code: 66966
Phone: 785-527-0163 Email: tonystrnad@gmail.com

NEEDS STREAM NAME*

2. The source of water is: surface water in unnamed trib White Rock Creek (Republican)
(stream)
 groundwater in _____
(drainage basin)
3. The maximum annual quantity of water desired is 57 acre-feet gallons
to be diverted at a maximum rate of all natural flows gpm c.f.s. natural flows natural evaporation
 This project involves surface water storage and redirection. The maximum annual quantity of water desired to be
rediverted is 57 acre-feet gallons, at a rate of 1200 gpm c.f.s.

Conversion Factors

1 acre-foot (AF) = 325,851 gallons
1 million gallons (mg) = 3.07 acre-feet (AF)
1 cubic foot per second (c.f.s.) = 448.8 gallons per minute (gpm)

IMPORTANT: Once your application has been assigned a priority date and file number, the requested maximum rate of diversion and maximum requested annual quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum annual quantity of water are appropriate and reasonable for your proposed project.

4. The water is intended to be appropriated for the following use(s):
- | | | | |
|---|--|---|---|
| <input type="checkbox"/> Artificial Recharge* | <input checked="" type="checkbox"/> Irrigation* | <input type="checkbox"/> Recreational* | <input type="checkbox"/> Water Power* |
| <input type="checkbox"/> Industrial* | <input type="checkbox"/> Municipal* | <input type="checkbox"/> Stockwatering* | <input type="checkbox"/> Sediment Control |
| <input type="checkbox"/> Domestic | <input type="checkbox"/> Dewatering | <input type="checkbox"/> Hydraulic Dredging | <input type="checkbox"/> Fire Protection |
| <input type="checkbox"/> Thermal Exchange | <input type="checkbox"/> Contamination Remediation | | |

***IMPORTANT:** You **must** submit a supplemental form providing information to substantiate your request for the quantity of water listed in Item No. 3 for the intended use(s) referenced above.

FOR OFFICE USE ONLY					
FO <u>3</u>	GMD <u>-</u>	DUA <u>-</u>	Use <u>IRR</u>	Source <u>SW</u>	County <u>RP</u> By <u>KJN</u> Date <u>12/10/24</u>
Code <u>RS4</u>	Fee \$ <u>200</u>	TR # _____	Receipt Date <u>12/6/2024</u>	Check # <u>1430</u>	

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File No. _____

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- 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 (1/4) 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 NW quarter of the NW quarter of the NE quarter of Section 5, more particularly described as being near a point 5210 feet North and 2550 feet West of the Southeast corner of said section, in Township 4 South, Range 3 E W, Republic County, KS. A.K.A: _____
- (B) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly 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: _____
- (C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly 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: _____
- (D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly 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 particularly 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: _____

- 6. The proposed project for diversion of water will consist of one (1) dam
(number of wells, pumps, dams, etc.)
and was/will be completed on or by the following date: December 31, 2025
(date each was or will be completed)

- 7. The first actual application of water for the proposed beneficial use was or is estimated to be 7-1-2026
(Date)

- 8. List any application, appropriation of water, water right, or vested right file number that covers the same point(s) of diversion or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

Overlap in PU w/ #50,991 - structure will also provide off-season storage for #50,991, and should be limited to 192 AF/yr with #50,991. Quantity based potential annual run-off calculation for .15 sq miles (96 acres). Drainage area & stucture capacity as determined by Leonard Bristow, P.E. (Water Structures).

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

Yes No

If **yes**, a check valve shall be required. All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact DWR prior to submitting this application. Please attach a reservoir 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? Yes No

If yes, write the Water Structures permit number here: WSNo. DRP-0150 info appended

11. Furnish a detailed topographic or aerial map that depicts the following information:

The application **must** be supplemented by a topographic map, aerial photograph or a detailed plat showing the information described in A-D below.

(A) ✓ The center of the section, the section lines or the section corners, and labels showing the appropriate section, township 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 diversion works) described in Item No. 5 of the application, showing the North-South distance and the East-West distance from a section 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 1/2 mile of the proposed well or wells and indicate for each well its type of use and the name and mailing address of the property owner or owners, (If there are no wells within 1/2 mile, please indicate that on the map.)

✓ **For Surface Water Use**, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines, and

(E) ✓ The locations of proposed or existing dams, dikes, reservoirs, canals, pipelines, power houses, and any other 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 ensure that the driller's logs provide depth to the static water level. If driller's logs cannot be obtained for an existing well, provide the following information:

Well location as shown in Item No. 5	(A)	(B)	(C)	(D)	(E)
Date drilled	_____	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____	_____

13. The owner(s) of the point of diversion, if other than the applicant is:

applicant

(name, address, and phone)

(name, address, and phone)

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14. The owner(s) of the property where the water is used, if other than the applicant, is:
applicant

(name, address, and phone)

(name, address, and phone)

15. The relationship of the applicant to the proposed place where the water will be used is that of:

Owner Agent Tenant Other: _____

16. A water use correspondent (WUC) must be designated. The WUC will be mailed the annual water use report, which must be filed with the Division by March 1 of each year. Failure to timely file an accurate water use report will subject the owner(s) to a civil fine of up to \$1,000 and potential suspension of the water appropriation or right. By signing this application, I verify that the owner(s) of the water right or permit have confirmed that the following person or agent should be designated as the WUC:


(applicant) Tony Strnad, 821 Nickel Rd, Scandia KS 66966

(name, address, and phone) 785-527-0163

17. I understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. This could affect the economics of my decision to appropriate water. Situations where this might occur may include times when minimum desirable streamflow (MDS) requirements are not met, when Assurance District or Water Marketing releases are made from storage in federal reservoirs, when a Water Reservation Right upstream of a federal reservoir is administered, or when water rights administration becomes necessary to prevent impairment.

I declare, under penalty of perjury, that I have legal access to or control of, the point(s) of diversion described in this application from the landowner or the landowner's authorized representative.

By signing below, I verify that the information set forth above is true to the best of my knowledge, I agree with all statements made above, and that this application is submitted in good faith.



(Applicant Signature)

12-4-24

(Date)

Tony Strnad

(Applicant Name - please print)

landowner of point of Diversion and place of use

(Applicant Title, if applicable - please print)

Assisted by jkb

Env Sci / STK FO

(office/title)

Date: 11/27/2024

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IRRIGATION USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Tony Strnad

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: Tony R & Lisa A Strnad

ADDRESS: 821 Nickel Rd Scandia, KS 66966

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
5	3S	4W	40	40	40	40													160

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

2. Please complete the following information for the description of the operation for the irrigation project. Attach supplemental sheets as needed.

a. Indicate the soils in the field(s) and their intake rates:

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
<u>Sandy loam</u>	<u>50</u>	_____	_____
<u>loam</u>	<u>50</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 6 %

Estimate the maximum land slope in the field(s): 9 %

c. Type of irrigation system you propose to use (check one):

Center pivot _____ Center pivot - LEPA _____ "Big gun" sprinkler
 Gravity system (furrows) _____ Gravity system (borders) _____ Sideroll sprinkler

Other, please describe: _____

d. System design features:

i. Describe how you will control tailwater: NA

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ii. For sprinkler systems:

(1) Estimate the operating pressure at the distribution system: 25 psi

(2) What is the sprinkler package design rate? 800 gpm

(3) What is the wetted diameter (twice the distance the sprinkler throws water) of a sprinkler on the outer 100 feet of the system? 22 feet

(4) Please include a copy of the sprinkler package design information. Not available

e. Crop(s) you intend to irrigate. Please note any planned crop rotations:

corn, soybeans, wheat, alfalfa

f. Please describe how you will determine when to irrigate and how much water to apply (particularly important if you do not plan a full irrigation).

I will use multiple soil moisture probes

You may attach any additional information you believe will assist in informing the Division of the need for your request.

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FEE SCHEDULE

Make checks payable to the Kansas Department of Agriculture.

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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
≥ 81.463	≥ 250	\$200.00 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>



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Application to Appropriate Water for Beneficial Use,
File No. _____
Surface Water - Section 05-03-04w
Stockton FO



- + Section Corners
- ⬡ Groundwater Point of Diversion
- ⬠ Surface Water Point of Diversion
- ▲ Proposed Point of Diversion

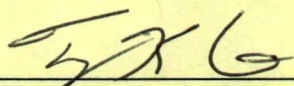
-  Proposed Place of Use
-  Proposed Storage Area

Date: 12/2/2024

1:24,000



To the best of my knowledge, all landowners within 1/2 mile upstream and downstream of the property lines are shown.

 12-4-24
 Signature required Date

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Tony Strnad – New Application NE Sec 5-3S-4W Republic County
Landowners within ½ mile

ALSOP Properties Inc
105 Industrial Rd
Concordia, KS 66901-2600

Richard J Kueker
1700 Republican St
Concordia, KS 66901-4102

Duane & Elise A Gile
310 Montana St
Scandia, KS 66966-8109

Samuel O Sanderson
PO Box 268
Scandia, KS 66966-0268

Steven & Marilyn Howley
1530 70 Rd
Scandia, KS 66966-8012

Ryan D & Diane J Hobson
1705 Cedar Ridge Way
Branson West, MO 65737-9277

Deanna Hobelmann
810 Granite Rd
Republic, KS 66964-8042

Virgil E & Linda Jones
1865 250 Rd
Formoso, KS 66942-1514

Gwen W Loring Trust
1190 90 Rd
Scandia, KS 66966-8007

Glen R Loring Rev Trust
1190 90 Rd
Scandia, KS 66966-8007

4K Farms LLC
Attn: Benson Keil
1912 Union Rd
Concordia, KS 66901-8047

Gary & Lavetta Loring
1205 90 Rd
Scandia, KS 66966-8018

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Proposed holding pond

center pivot pivot

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Permit Determination
Area Capacity table using LIDAR
Tony Strnad
WSNo. DRP-0150
11/26/2024

FID	Id	Area	Elevation feet	Incremental Area acres	Accumulated Area acres	Incremental Volume ac-ft	Total Volume ac-ft
0	0	8.46355E-05	1467	8.46355E-05	0	0	0
1	0	1.05883E-05	1468	0.006414924	0.006414924	0.00320746	0.003207
2	0	0.006414924	1469	0.035862771	0.042277695	0.02434631	0.027554
3	0	0.035862771	1470	0.07071339	0.112991085	0.07763439	0.105188
4	0	0.07071339	1471	0.128141687	0.241132772	0.17706193	0.28225
5	0	0.128141687	1472	0.249331769	0.490464541	0.36579866	0.648049
6	0	0.249331769	1473	0.186612139	0.67707668	0.58377061	1.231819
7	0	0.186612139	1474	0.122326802	0.799403481	0.73824008	1.970059
8	0	0.122326802	1475	0.188716413	0.988119894	0.89376169	2.863821
9	0	0.188716413	1476	0.238882423	1.227002318	1.10756111	3.971382
10	0	0.238882423	1477	0.194829532	1.42183185	1.32441708	5.295799
11	0	0.194829532	1478	0.171106363	1.592938214	1.50738503	6.803184
12	0	0.171106363	1479	0.17198871	1.764926924	1.67893257	8.482117
13	0	0.17198871	1480	0.157140148	1.922067073	1.843497	10.32561
14	0	0.157140148	1481	0.176829158	2.098896231	2.01048165	12.3361
15	0	0.176829158	1482	0.218488543	2.317384774	2.2081405	14.54424
16	0	0.218488543	1483	0.224088079	2.541472853	2.42942881	16.97366
17	0	0.224088079	1484	0.29097643	2.832449283	2.68696107	19.66063
18	0	0.29097643	1485	0.314074191	3.146523474	2.98948638	22.65011
19	0	0.314074191	1486	0.300704776	3.44722825	3.29687586	25.94699
20	0	0.300704776	1487	1.841039494	5.288267744	4.367748	30.31474
21	0	1.841039494	1488	0.728466569	6.016734313	5.65250103	35.96724
22	0	0.055246506					
23	0	0.728466569					
24	0	0.031973515					
25	0	0.03518977					
26	0	0.040530482					
27	0	0.045939018					
28	0	0.049816558					
29	0	0.047326114					
30	0	0.035126904					
31	0	0.029470867					
32	0	0.025702827					
33	0	0.022295911					
34	0	0.022761399					
35	0	0.022804772					
36	0	0.026211313					

PDFs	
Mean Annual Precipitation	
Soil Cover Complex	

Mean Annual Precip, in	28
Soil Cover Complex No.	77
Drainage Area, acres	96
Runoff at 20% Chance, AF	56.74

DO NOT EDIT BELOW THIS LINE

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

%Chance Firm	Runoff, in	Comp. Runoff, in
50%	1.96	1.96
80%	0.55	0.54
90%	0.27	0.28
20%		7.09

Std. Dev. 90%	1.55
Std. Dev. 80%	1.51
Avg	1.53

Mean annual runoff for CN = 75, inches	3.00
Mean annual runoff for CN = 80, inches	3.87
Interp. Mean annual runoff for CN = 77, inches	3.35

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Stockton Field Office
820 S. Walnut
Stockton, KS 67669-0192



Phone: 785-425-6787
Fax: 785-425-6842
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

December 2, 2024

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KS DEPT OF AGRICULTURE

TONY R STRNAD
821 NICKEL RD
SCANDIA, KS 66966

Re: Appropriation of Water, File Nos. 50,991 & New Application

Dear Mr. Strnad:

Per our recent discussion regarding the proposed holding pond in the Northeast Quarter (NE) of Section 5, Township 3 South, Range 4 West, in Republic County, Kansas, enclosed is a partially completed new application. As proposed the application proposes 57 acre-feet of storage based on calculated run-off at the mapped location, and 57 acre-feet of re-diversion for irrigation use, overlapped in place of use on 160 acres with File 50,991.

Please review the application carefully, make any necessary changes and complete all relevant sections. If you plan on chemigation, please indicate as such in Section 9. Your signature is required on Section 17. The irrigation supplemental sheet should be filled out to the best of your knowledge. The attached map should also be reviewed for accuracy and requires your signature. A list of landowners within 1/2 mile of the property lines has been included for your convenience and should be reviewed for accuracy.

Once completed, the application and all supplemental forms should be submitted to the Manhattan address highlighted on the front of the application. A processing fee of \$200 will apply. This fee is payable by check to the Kansas Department of Agriculture and should be enclosed with the application.

If you have any questions or require further assistance, please contact me at (785) 425-6787.

Sincerely,

A handwritten signature in blue ink that reads "Jodie K. Barker". The signature is fluid and cursive.

Jodie K. Barker
Environmental Scientist

JKB
Enclosure

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 20, 2024

TONY STRNAD
821 NICKEL RD
SCANDIA KS 66966

RE: Application, File No(s). **51370**

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 agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, 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,

Kris Neuhauser
New Applications Lead
Water Appropriation Program