

File No. **49,895** 15. Formation Code: **330** Drainage Basin: **MILL CREEK** County: **WS** Special Use: Stream:

16. Points of Diversion											
T	MOD	DEL	ENT	PDIV	Qualifier	S	T	R	ID	'N	'W
	MOD			86311	SE NE NW	21	2	2E	1	4068	2650

17. Rate and Quantity				
Authorized		Additional		
Rate gpm	Quantity af	Rate gpm	Quantity af	Overlap PD Files
1600	528	1600	0	NONE

18. Storage: Rate _____ NF Quantity _____ ac/ft Additional Rate _____ NF Additional Quantity _____ ac/ft

19. Limitation: **528 af** af/yr at _____ gpm (_____ cfs) when combined with file number(s): **49,894 (On PU)**
 Limitation: _____ af/yr at _____ gpm (_____ cfs) when combined with file number(s) _____

20. Meter Required? Yes No To be installed by **12/31/2019** Date Acceptable Meter Installed _____

21. Place of Use							NE¼				NW¼				SW¼				SE¼				Total	Owner	Chg? NO	Overlap Files			
T	MOD	DEL	ENT	PUSE	S	T	R	ID	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼	NE ¼	NW ¼	SW ¼	SE ¼					
√	68526			20	2	2E	1		40	40	40	40													160	7a.	NO	49,894	
√	68527			21	2	2E	1		40	40			40	40	40	40		40							280	7a.	NO	49,894	

Comments:

KANSAS DEPARTMENT OF AGRICULTURE
Division of Water Resources

M E M O R A N D U M

TO: Files

DATE: June 4, 2018

FROM: Doug Schemm

RE: Applications, File Nos. 49,894 and 49,895

Tom Hauschel has filed the referenced applications for permits to appropriate groundwater within the Mill Creek basin in Washington County. The applications were both signed by the applicant stating he has access to the points of diversion. The applications had both requested 60 days to locate, and the **original** Applications, File Nos. 49,894 and 49,895 were returned to our office on March 1, 2018, with well logs and feet distances entered on the applications. Both applications are requesting 528 acre-feet at a diversion rate of 1,600 gallons per minute. The two files will overlap in place of use, which comprises 440 acres. The maximum allowable to irrigate the proposed 440 acres in Washington County is 1.2 acre-feet per acre, or a total of 528 acre-feet. Therefore, the senior file will be all additional water, the junior file will be limited to 528 acre-feet when combined with the senior file on the place of use (0 additional).

File No. 49,894 is located in the Northeast Quarter of Section 20, while File No. 49,895 is located in the Northwest Quarter of Section 21, both in Township 2 South, Range 2 East. Both test hole logs show a coarse sand and gravel layer encountered between 50 feet and 60 feet below ground, underlain by a gray shale layer. The sandstone aquifer was encountered at a depth of 110 feet below ground surface in one test hole, and 140 feet below ground surface in the second test hole, and ended at depths of 185 feet and 223 feet respectively. This would provide aquifer thicknesses of 74 feet and 83 feet according to the test hole logs. No static water levels were provided on the test hole logs, however area domestic wells have depths to water ranging from 40 feet to 50 feet below ground surface. This would be within the range of the shallow sand and gravel layer in the test holes. Similar wells with shallow production zones overlying the primary sandstone aquifer are typically designated as sourcing the unconfined Dakota aquifer system. According to the applicant, the driller estimated production at 600 gallons per minute.

As noted above, the source of water for these pending groundwater applications appears to be the **unconfined** Dakota aquifer system based on the test hole logs that were submitted, and other area wells. To maintain consistency with processing of nearby wells, and per the safe yield criteria in K.A.R. 5-3-11, it is imperative to determine the extent of the unconfined aquifer (area of consideration). There are only a few wells in this local area, and they all appear to be sourcing the unconfined Dakota aquifer. Therefore, for these applications the extent of the unconfined Dakota aquifer system was determined to be the entire 2-mile circle of 8,042 acres. Based on a potential recharge of 3.0 inches, with 100% available for appropriation, safe yield was determined to be 2,010.62 acre-feet for File No. 49,894, and with no existing appropriations, the entire quantity of water is available. For File No. 49,895 the potential recharge is 3.1 inches, with 100% available for appropriation, safe yield was determined to be 2,077.64 acre-feet. The senior application has appropriated 528 acre-feet, leaving 1,549.64 acre-feet available for appropriation, and the application complies with safe yield criteria. Note that the junior file quantity limitation with the senior file, will result in 0 additional quantity.

The applicant identified two domestic wells within one-half mile of the proposed points of diversion, both owned by him. No nearby notification letters are required. The applicant's nearest domestic well is over 1,500 feet away. Please note that based on the requested well locations, the applicant's wells are over 3,400 feet apart. A review of the WWC-5 database shows that there are no other permitted wells within 2 miles of either well. The proposed points of diversion meet minimum well spacing to all other wells. Per the requirements in K.A.R. 5-4-4 for the unconfined Dakota aquifer system, the minimum well spacing should be one-half mile to other non-domestic wells and 1,320 feet to domestic wells.

Tom Hauschel
File Nos. 49,894 and 49,895
Page 2

In accordance with K.S.A. 82a-706c, the Chief Engineer retains full authority to require any water user to install meters, gages, or other measuring devices, which devices he or she or his or her agents may read at any time. Water flowmeter requirements are further described in K.A.R. 5-1-4 through K.A.R 5-1-12. If any chemicals will be injected into the water pumped under these permits, check valves will also be required.

Katie Tietsort, Water Commissioner of the Topeka Field Office, recommended approval of the referenced applications in a May 22, 2018 discussion.

Based on the above discussion, the area is open to new appropriations, the points of diversion comply with minimum well spacing criteria, the applications both comply with safe yield criteria, and their approval will not impair senior water rights, it is recommended that the referenced new applications be approved.

Doug Schemm
Environmental Scientist
Topeka Field Office

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
1320 RESEARCH PARK DRIVE
MANHATTAN, KS 66502
PHONE: (785) 564-6700
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456
TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

July 5, 2018

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

FILE COPY

RE: Appropriation of Water, File Nos. 49,894 and 49,895

Dear Mr. Hauschel:

There are enclosed permits to appropriate water authorizing you to proceed with construction of the proposed diversion works (except those dams and stream obstructions regulated by K.S.A. 82a-301 through 305a), to divert such unappropriated water as may be available from the source and at the locations specified in these permits, and to use it for the purpose and at the location described in these permits.

Your attention is directed to the enclosures and to the terms, conditions, and limitations specified in these approval documents. Water meters are required on the proposed diversion works and you must install them prior to water being put to beneficial use in order for you to maintain accurate records of water use. The meters should be used to provide the information required on the annual water use reports.

Failure to notify the Chief Engineer of the Division of Water Resources of the completion of the diversion works within the time allowed, or within any authorized extension of time thereof, will result in the dismissal of these permits. Enclosed are forms which may be used to notify the Chief Engineer that the proposed diversion works have been completed. All requests for extensions of time to complete diversion works, or to perfect appropriations, must be submitted to the Chief Engineer before the expiration of time originally set forth in these permits to complete diversion works or to perfect an appropriation. If for any reason, you require an extension of time, you must request it before the expiration of time set forth in these permits. Failure to comply with this regulation will result in the dismissal of your permits or your water rights. Any request for an extension of time shall be accompanied by the required statutory fee, which is currently \$100.00 per file number. There is also enclosed an information sheet setting forth the procedure to obtain a Certificate of Appropriation which will establish the extent of your water rights.

If you have any questions, please contact our office. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Application Unit Supervisor
Water Appropriation Program

KAB:dws
Enclosures

pc: Topeka Field Office

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, 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. 49,895** of the applicant

**TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323**

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 **August 24, 2017**.
2. That the water sought to be appropriated shall be used for irrigation use on land described in the application, as follows:

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
20	2S	2E	40	40	40	40													160
21	2S	2E	40	40			40	40	40	40		40							280

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of one (1) well located in the Southeast Quarter of the Northeast Quarter of the Northwest Quarter (SE¼ NE¼ NW¼) of Section 21, more particularly described as being near a point 4,068 feet North and 2,650 feet West of the Southeast corner of said section, in Township 2 South, Range 2 East, Washington 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 **1,600 gallons per minute (3.57 c.f.s.)** and to a quantity not to exceed **528 acre-feet** of water for any calendar year.

5. That installation of works for diversion of water shall be completed on or before **December 31, 2019** 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 **December 31, 2023** 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 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.

17. 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.

CERTIFICATE OF SERVICE

On this 5th day of July, 2018, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 49,895, dated June 28th, 2018 was mailed postage prepaid, first class, US mail to the following:

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

With photocopies to:

Topeka Field Office



Division of Water Resources

APPLICATION COMPLETE

5/22/18

Reviewer KAB for DWS

THE STATE



OF KANSAS

KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

WATER RESOURCES RECEIVED

MAR 1 2018

KS DEPT OF AGRICULTURE

File Number 49895

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

WATER RESOURCES RECEIVED

AUG 24 2017

8:02

KS DEPT OF AGRICULTURE

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, KS 66502:

1. Name of Applicant (Please Print): TOM HAUSCHEL
Address: 3604 149TH ST
City: URBANDALE State: IA Zip Code: 50323
Telephone Number: (515) 238-4787

2. The source of water is: surface water in _____ (stream)
OR groundwater in MILL CREEK (drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 528 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 1600 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
(a) Artificial Recharge (b) Irrigation (c) Recreational (d) Water Power
(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. 1 GMD Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County WS By KAB Date 8/24/17
Code REG 123 Fee \$ 360 TR # _____ Receipt Date 8/24/17 Check # 7023

SCANNED

8/28/2017 LLM

60 Days to Locate

File No. _____

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location 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.

- (A) One in the quarter of the quarter of the NW quarter of Section 21, more particularly described as being near a point 4068 feet North and 4854 feet West of the Southeast corner of said section, in Township 2 South, Range 2 EAST, WASHINGTON County, Kansas. **60 DAY TO LOCATE**
- (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 _____ East/West (circle one), _____ County, Kansas.
- (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 _____ East/West (circle one), _____ County, Kansas.
- (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 _____ East/West (circle one), _____ County, Kansas.

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 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

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

Executed on 2/27, 2018. Tom Henschel
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE WELL
(number of wells, pumps or dams, etc.)
and (was)(will be) completed (by) FALL 2017 4/30/18
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be FALL 2017
(Mo/Day/Year)

WATER RESOURCES
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MAR 1 2018

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THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Jackie McClaskey, Secretary of Agriculture

DIVISION OF WATER RESOURCES
David W. Barfield, Chief Engineer

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MAR 1 2018

KS DEPT OF AGRICULTURE

File Number 49895

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AUG 24 2017

8:02

KS DEPT OF AGRICULTURE

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City: URBANDALE State: IA Zip Code: 50323
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OR groundwater in MILL CREEK (drainage basin)

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3. The maximum quantity of water desired is 528 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of 1600 gallons per minute OR _____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

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(e) Industrial (f) Municipal (g) Stockwatering (h) Sediment Control
(i) Domestic (j) Dewatering (k) Hydraulic Dredging (l) Fire Protection
(m) Thermal Exchange (n) Contamination Remediation

YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:
F.O. 1 GMD 0 Meets K.A.R. 5-3-1 (YES / NO) Use IRR Source G/S County WS By KAB Date 8/24/17
Code REG/RE3 Fee \$ 360 TR # _____ Receipt Date 8/24/17 Check # 7023

8/28/2017 LLM

60 Days to Locate

File No. 49895

5. The location of the proposed wells, pump sites or other works for diversion of water is:

Note: For the application to be accepted, the point of diversion location 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.

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- (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 _____ East/West (circle one), _____ County, Kansas.
- (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 _____ East/West (circle one), _____ County, Kansas.
- (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 _____ East/West (circle one), _____ County, Kansas.

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 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

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

Executed on 2/27, 2018.

Nom Hausch
Applicant's Signature

7. The proposed project for diversion of water will consist of ONE WELL
(number of wells, pumps or dams, etc.)

and (was)(will be) completed (by) FALL 2017 4/30/18
(Month/Day/Year - each was or will be completed)

8. The first actual application of water for the proposed beneficial use was or is estimated to be FALL 2017
(Mo/Day/Year)

3960 N
3960 N

WATER RESOURCES
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MAR 1 2018

KS DEPT OF AGRICULTURE

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 the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here _____
- If no, explain here why a Water Structures permit is not required _____

GROUNDWATER WELL

11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points 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.

SECOND NEW APP FOR GW

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MAR 1 2018

AUG 24 2017

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	1/25/18			
Total depth of well	231			
Depth to water bearing formation	223			
Depth to static water level				
Depth to bottom of pump intake pipe				

14. The relationship of the applicant to the proposed place where the water will be used is that of OWNER
(owner, tenant, agent or otherwise)

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

(name, address and telephone number)

(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Haddam, Kansas, this 27th day of February, 2018.
(month) (year)

Tom Hauschel
(Applicant Signature)

510/78/4220
APPLICANT(S) SOCIAL SECURITY IDENTIFICATION NUMBER(S)

By _____
(Agent or Officer Signature)

and/or APPLICANT(S) TAXPAYER I.D. NO.(S)

(Agent or Officer - Please Print)

Assisted by DWS TOPEKA FO Date: 7/31/2017
(office/title)

WATER RESOURCES RECEIVED
MAR 1 2018
KS DEPT OF AGRICULTURE SCANNED

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. 49895

Name of Applicant (Please Print): Hauschel
TOM HERSCHEL

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: TOM HAUSCHEL

ADDRESS: 3604 149TH ST URBANDALE IA 50323

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
20	2	2E	40	40	40	40													160
21	2	2E	40	40			40	40	40	40	40								280

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	

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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>Crete</u>	<u>34.2</u>	_____	_____
<u>Longford</u>	<u>25.2 43</u>	_____	_____
<u>Muir</u>	<u>22.6</u>	_____	_____
<u>Hobb</u>	<u>.2</u>	_____	_____
Total:	100 %		

b. Estimate the average land slope in the field(s): 3 %

Estimate the maximum land slope in the field(s): 5 %

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:

ii. For sprinkler systems:

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

(2) What is the sprinkler package design rate? _____ 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? _____ feet

(4) Please include a copy of the sprinkler package design information.

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

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).

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

2/27/18
(Date)

Kansas Department of Agriculture
Division of Water Resources
David W. Barfield, Chief Engineer
1320 Research Park Drive
Manhattan, Kansas 66502

Re: Application
File No. 49895

Minimum Desirable Streamflow

Dear Sir:

I understand that a Minimum Desirable Streamflow requirement has been established by the legislature for the source of supply to which the above referenced application applies.

I understand that diversion of water pursuant to this application will be subject to regulation any time Minimum Desirable Streamflow requirements are not being met.

I also 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. I realize that this could affect the economics of my decision to appropriate water.

I am aware of the above factors, and with the knowledge thereof, request that the Division of Water Resources proceed with processing and approval, if possible, of the above referenced application.

Tom Hauschel
Signature of Applicant

Tom Hauschel
(Print Applicant's Name)

State of ^{Iowa} Kansas)
County of Polk) ss

I hereby certify that the foregoing instrument was signed in my presence and sworn to before me this 27 day of February, 2018.



Brian Bailey
Notary Public

My Commission Expires: 5/2/19

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MAR 1 2018

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**MINIMUM DESIRABLE STREAMFLOW FORM TO BE USED WHEN
APPLICABLE WHEN FILING AN APPLICATION FOR PERMIT
TO APPROPRIATE WATER FOR BENEFICIAL USE**

The Kansas Legislature has established minimum desirable streamflows for the streams listed below. If your proposed diversion of water is going to be from one of these watercourses or adjacent alluvial aquifers, please complete the back side of this page and submit it along with your application for permit to appropriate water.

Arkansas River
Big Blue River
Chapman Creek
Chikaskia River
Cottonwood River
Delaware River
Little Arkansas River
Little Blue River
Marais des Cygnes River
Medicine Lodge River
Mill Creek (Wabaunsee Co. area)
Neosho River

Ninnescah River
North Fork Ninnescah River
Rattlesnake Creek
Republican River
Saline River
Smoky Hill River
Solomon River
South Fork Ninnescah
Spring River
Walnut River
Whitewater River

FEE SCHEDULE

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

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

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

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage 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 a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet

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AUG 24 2017

KS DEPT OF AGRICULTURE

SCANNED

Sargent Drilling
 INDUSTRIAL ENGINEERING
 COMPLETE MUNICIPAL AND INDUSTRIAL
 WELL AND PUMP SERVICE

PO Box 367
 Geneva, NE 68361-0367

846 South 13th St.

Phone: (402) 759-3902
 1-888-496-3902

TEST HOLE LOG

CUSTOMER: Tom Hauschel	
WELL ID:	
LOCATION: NE ¼, 21-T2S-R2E, Washington Co., KS	
LATITUDE: 39° 52' 6.4"	
LONGITUDE: 97° 12' 33.7"	
FOOTAGES: 4068 feet from the north section line and 2613 feet from the west section line.	
ELEVATION: 1,394'	
DATE: 1-26-2018	DRILLED BY: Scott

SWL:
 PWL:
 GPM:

<u>from feet</u>	-	<u>to feet</u>	
0		20	Top soil and brown clay
20		50	Brown clay
50		60	Medium, coarse sand and fine to medium gravel
60		105	Gray shale
105		106	Pyrite
106		107	Very hard sandstone (PD)
107		110	Gray shale
110		120	Sandstone and gray shale
120		137	Gray shale
137		140	Very hard pyrite and cemented sandstone (PD)
140		160	Sandstone with gray shale strips
160		223	Sandstone
223		231	Very hard limestone and shale (PD)

43

WATER RESOURCES
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JB

MAR 1 2018

KS DEPT OF AGRICULTURE

SCANNED

49.895

Analysis Results

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

The safe yield based on the variables listed below is 2,077.64 AF.

Total prior appropriations in the circle is 1,056.00 AF. $- 528 \text{ AF} = 528 \text{ AF}$

Total quantity of water available for appropriation is 1,021.64 AF.

1549.64

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 3.1 inches.

The percent of recharge available for appropriation is 100%.

Authorized Quantity values are as of 09-MAY-2018 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 2 water rights and 2 points of diversion within the circle.

File Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A 49894 00	IRR	AY	G				NE	3960	1320	20	02	02E	1	WR	528.00	528.00	440.00	440.00
A 49895 00	IRR	AY	G				NW	3960	3960	21	02	02E	1	WR	528.00	528.00	440.00	0.00

#49,985

Report Date Wednesday, May 9 2018

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

4068 ft N and 2627 ft W of the SE Corner of Section 21, T 2S, R 2E

Located at: 97.209050 West Longitude and 39.868468 North Latitude

GROUNDWATER ONLY

```

=====
File Number  Use ST SR Dist (mi) Q4 Q3 Q2 Q1 FeetN FeetW Sec Twp  Rng  ID Batt Auth_Quan  Add_Quan Unit
A__ 49894 00 IRR AY G      .77 -- -- -- NE 3960 1320 20  2  2E  1      528.00   528.00 AF
A__ 49895 00 IRR AY G      .25 -- -- -- NW 3960  3960 21  2  2E  1      528.00   528.00 AF
=====

```

```

Total Net Quantities Authorized:  Direct      Storage
Total Requested Amount (AF) =    1056.00      .00
Total Permitted Amount (AF) =         .00      .00
Total Inspected Amount (AF) =         .00      .00
Total Pro_Cert Amount (AF) =         .00      .00
Total Certified Amount (AF) =         .00      .00
Total Vested Amount (AF) =         .00      .00
TOTAL AMOUNT (AF) =    1056.00      .00

```

An * after the source of supply indicates a pending application for change for the file number.
 An * after the ID indicates a 15 AF exemption was granted for the file number.
 A "G" in the Batt column indicates the GEO CTR of a battery. A "B" indicates a well in the battery.
 The number in the Batt column is the number of wells in the battery.

Water Rights and Points of Diversion Within 2.00 miles of point defined as:

97.209050 West Longitude and 39.868468 North Latitude

GROUNDWATER ONLY

WATER USE CORRESPONDENTS:

```

=====
File Number  Use ST SR
A__ 49894 00 IRR AY G
> TOM HAUSCHEL
>
> 3604 149TH ST
> URBANDALE IA 50323
>-----
A__ 49895 00 IRR AY G
> TOM HAUSCHEL
>
> 3604 149TH ST
> URBANDALE IA 50323
>-----
=====

```


INPUTS	
Target Section Definition	49,895
Section	21
Township	2
Range	2
Range Direction	E
Target Point Coordinates (NAD27 or NAD83)	
Target Longitude	-97.209361
Target Latitude	39.868444

Load Data and Compute

- Instructions**
1. Enter values for section, township, range and range direction.
 2. Enter **NAD27** or **NAD83** longitude and latitude of target point.
 3. Click "Load Data and Compute" button.
 4. Use feet distances corresponding to datum of target point.

Loaded Section Data From LEOBASE using NAD83		
Corner	Corner Latitudes	Corner Longitudes
SW	39.85724242	-97.21907626
NW	39.87182945	-97.21913745
NE	39.87186063	-97.20006393
SE	39.85730344	-97.20000274
Degrees Longitude per Foot		3.56222241E-06
Degrees Latitude per Foot		2.74520316E-06
Target Point Distances from Corners using NAD83		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	4081	-2727
NW	-1233	-2744
NE	-1244	2610
SE	4058	2627

Loaded Section Data From LEOBASE using NAD27		
Corner	Corner Latitudes	Corner Longitudes
SW	39.85723900	-97.21876500
NW	39.87182600	-97.21882600
NE	39.87185700	-97.19975300
SE	39.85730000	-97.19969200
Degrees Longitude per Foot		3.56222223E-06
Degrees Latitude per Foot		2.74598553E-06
Target Point Distances from Corners using NAD27		
Corner	Feet North(+)/South(-)	Feet East(-)/West(+)
SW	4081	-2640
NW	-1231	-2657
NE	-1243	2697
SE	4058	2714

Difference (NAD83 Minus NAD27)		
Corner	Corner Latitudes	Corner Longitudes

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
1320 RESEARCH PARK DRIVE
MANHATTAN, KS 66502
PHONE: (785) 564-6700
FAX: (785) 564-6777



900 SW JACKSON, ROOM 456
TOPEKA, KS 66612
PHONE: (785) 296-3556
www.agriculture.ks.gov

GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

June 19, 2018

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

In response to your written request by electronic mail received in this office on June 16, 2018, the Chief Engineer is allowing an extension of time for sixty (60) days, in which to supply further information concerning the above referenced files. The original applications were returned to you on DATE, and with this extension of time, the revised deadline will be **August 30, 2018**.

Furthermore, section 82a-710 of the Kansas Water Appropriation Act states in part, that "no application shall lose its priority of filing on account of such defects, provided acceptable data, proofs, maps, plats, plans and drawings are filed in the office of the chief engineer within thirty days following the date of the posting of the return of such application or such further time **not exceeding one year** as may be given by the chief engineer". Therefore, failure to return the completed applications and attachments within one year of the original posting date of the returned applications (August 30, 2017) shall constitute forfeiture of priority date and dismissal of the applications. Thus, **August 30, 2018 will be your final deadline**. No further extensions of time are allowable per the statute noted above.

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before **August 30, 2018**, or within any authorized extension of time thereof. According to law, default in refileing of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Whitesell".

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

SCANNED

STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
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GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

June 5, 2018

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895r

Dear Sir or Madam:

The Division of Water Resources returned the above referenced applications to you for additional information on August 30, 2017, and the current deadline for your response is June 24, 2018. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original applications and requested information needs to be returned to this office on or before **June 24, 2018**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If an extension of time is necessary to supply the requested information, please request the extension of time in writing before **June 24, 2018**. Provide information as to why the additional time is needed and how much additional time is requested. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Whitesell".

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

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STATE OF KANSAS



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GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

April 26, 2018

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

In response to your written request by electronic mail received in this office on April 11, 2018, the Chief Engineer is allowing an extension of time for sixty (60) days, in which to supply further information concerning the above referenced files. The original applications were returned to you on August 30, 2017, and with this extension of time, the revised deadline will be **June 24, 2018**.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting this extension, you are being allowed an additional 60 days. If you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before **June 24, 2018**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

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STATE OF KANSAS

DEPARTMENT OF AGRICULTURE
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MANHATTAN, KS 66502
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GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

April 5, 2018

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895r

Dear Sir or Madam:

The Division of Water Resources returned the above referenced applications to you for additional information on August 30, 2017, and the current deadline for your response is April 24, 2018. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original applications and requested information needs to be returned to this office on or before **April 24, 2018**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If an extension of time is necessary to supply the requested information, please request the extension of time in writing before **April 24, 2018**. Provide information as to why the additional time is needed and how much additional time is requested. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

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STATE OF KANSAS

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GOVERNOR JEFF COLYER, M.D.
JACKIE McCLASKEY, SECRETARY OF AGRICULTURE

FILE COPY

March 5, 2018

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

In response to your written request by electronic mail received in this office on February 27, 2018, the Chief Engineer is allowing an extension of time for sixty (60) days, in which to supply further information concerning the above referenced files. The original applications were returned to you on August 30, 2017, and with this extension of time, the revised deadline will be April 24, 2018.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting this extension, you are being allowed an additional 60 days. If you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before April 24, 2018, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

January 24, 2018

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Sir or Madam:

The Division of Water Resources returned the above referenced applications to you for additional information on August 30, 2017, and the current deadline for your response is February 24, 2018. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original applications and requested information needs to be returned to this office on or before **February 24, 2018**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If an extension of time is necessary to supply the requested information, please request the extension of time in writing before **February 24, 2018**. Provide information as to why the additional time is needed and how much additional time is requested. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Whitesell".

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

SCANNED

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

December 28, 2017

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

In response to your written request by electronic mail received in this office on October 11, 2017, the Chief Engineer is allowing an extension of time for sixty (60) days, in which to supply further information concerning the above referenced files. The original applications were returned to you on August 30, 2017, and with this extension of time, the revised deadline will be **February 24, 2018**.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting this extension, you are being allowed an additional 60 days. If you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before **February 24, 2018**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

November 28, 2017

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

FILE COPY

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Sir or Madam:

The Division of Water Resources returned the above referenced applications to you for additional information on August 30, 2017, and the current deadline for your response is December 24, 2017. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original applications and requested information needs to be returned to this office on or before **December 24, 2017**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If an extension of time is necessary to supply the requested information, please request the extension of time in writing before **December 24, 2017**. Provide information as to why the additional time is needed and how much additional time is requested. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Whitesell".

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

October 18, 2017

FILE COPY

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

In response to your written request by electronic mail received in this office on October 11, 2017, the Chief Engineer is allowing an extension of time for sixty (60) days, in which to supply further information concerning the above referenced files. The original applications were returned to you on December 24, 2017, and with this extension of time, the revised deadline will be **December 24, 2017**.

Extension requests are evaluated on a case by case basis. Since it appears that no pending application would be adversely affected by granting this extension, you are being allowed an additional 60 days. If you determine that additional time will be needed, you may submit another request for an extension prior to the deadline given above. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before **December 24, 2017**, or within any authorized extension of time thereof. According to law, default in refileing of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

Whitesell, Alex

From: Tom Hauschel <THauschel@heartlandcoop.com>
Sent: Wednesday, October 11, 2017 1:02 PM
To: Whitesell, Alex
Subject: Permit extension

Alex,

I am requesting an extension on pending permits – 49,893, 49,894, 49,895.

Rainfall amounts have been excessive on these farms causing a harvest delay and not allowing for the drilling rig to access the sites which they prefer to do the test drilling.

A 60 day extension is requested to allow for the drilling to be rescheduled.

Tom Hauschel
515.974.4359
515.238.4787 cell

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

September 28, 2017

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

COPY

Dear Sir or Madam:

The Division of Water Resources returned the above referenced applications to you for additional information on August 30, 2017, and the current deadline for your response is October 24, 2017. The purpose of this letter is to provide a reminder that in order for you to retain your priority of filing, the original applications and requested information needs to be returned to this office on or before **October 24, 2017**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If an extension of time is necessary to supply the requested information, please request the extension of time in writing before **October 24, 2017**. Provide information as to why the additional time is needed and how much additional time is requested. Please note that since there are instances when the Chief Engineer may deny your request for an extension of time, there is no guarantee that future requests for more time will be granted.

If you have any questions, please contact me at (785) 564-6631 or by email at alex.whitesell@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

Alex Whitesell
Environmental Scientist
Water Appropriation Program

pc:

1320 Research Park Drive
Manhattan, Kansas 66502
(785) 564-6700



900 SW Jackson, Room 456
Topeka, Kansas 66612
(785) 296-3556

Jackie McClaskey, Secretary

Governor Sam Brownback

August 30, 2017

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

FILE COPY

Re: Pending Applications,
File Nos. 49,893; 49,894 and 49,895

Dear Mr. Hauschel:

After a preliminary review of your above referenced applications for permits to appropriate water received in this office on August 24, 2017, they are being returned to you for additional information. In your original applications, you requested a 60-day period of time in which to determine the precise locations for your points of diversion within specified quarter section tracts of land described as:

- the Northeast Quarter (NE¹/₄) of Section 36, in Township 1 South, Range 1 East, Washington County, Kansas
- the Northeast Quarter (NE¹/₄) of Section 20, in Township 2 South, Range 2 East, Washington County, Kansas
- the Northwest Quarter (NW¹/₄) of Section 21, in Township 2 South, Range 2 East, Washington County, Kansas

Once you've determined the precise locations for your points of diversion, complete the rest of Paragraph No. 5 for each of your applications by providing the description for the 10-acre tract location of the point of diversion as well as the feet distances North and West of the Southeast corner of the Section. The locations of the points of diversion must also be plotted on the topographical map(s) included.

The locations of all other water wells of every kind within one-half mile (¹/₂) of the points of diversion must be plotted on the topographical map(s) as well. Each well should be identified as to its use (e.g. domestic, irrigation, industrial, etc.) and must **include the name and mailing address of the well owner**. A signed statement should be included on the map(s) declaring that all wells within one-half mile (¹/₂) of the points of diversion have been plotted, or it should declare that none exist. Please provide this information once you have established your points of diversion and **sign the maps where indicated**.

Paragraph No. 13 of the application requests well information so the source of supply of the proposed wells may be determined. Pursuant to K.A.R. 5-3-4d, this office requires a stratigraphic log of wells or test holes within 300 feet of the proposed points of diversion. Please supply the indicated information and test hole logs or driller's logs with the returned applications. Also, the enclosed "Minimum Desirable Streamflow" form must be signed and notarized.

(over)

SCANNED

Hauschel
August 30, 2017
Page 2 of 2

In order to retain their priority of filing, the original applications and attachments must be returned to this office with the requested information on or before **October 24, 2017**, or within any authorized extension of time thereof. According to law, default in refiling of the completed applications and attachments within the time allowed shall constitute forfeiture of priority date and dismissal of the applications.

If you have any questions, please contact me at (785) 564-6631 or by email at alexander.whitesell@kda.ks.gov. If you wish to discuss a specific file, please have the file number ready so that I may help you more efficiently.

Sincerely,

A handwritten signature in black ink, appearing to read "Alex Whitesell". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Alex Whitesell
Environmental Scientist
Water Appropriation Program

enclosures

pc:



1320 Research Park Drive
Manhattan, Kansas 66502

Jackie McClaskey, Secretary

Department of Agriculture

Phone: (785) 564-6700

Fax: (785) 564-6777

Email: ksag@kda.ks.gov

www.agriculture.ks.gov

Sam Brownback, Governor

August 24, 2017

TOM HAUSCHEL
3604 149TH ST
URBANDALE IA 50323

FILE COPY

RE: Application
File No. 49895

Dear Sir or Madam:

Your application for permit to appropriate water in 21-2S-2E in Washington County, was received and has been assigned the file number noted above.

As a matter of record, the Division of Water Resources has on hand a large number of applications awaiting processing. Therefore to be fair to all concerned, and so that we can process those applications on hand in the order they were received, we intend to concentrate on the backlog of applications until the issue is resolved. Once review of your application has begun, we will contact you, if additional information is required.

In accordance with the provisions of the Kansas Water Appropriation Act, a portion of which is included below, the use of water as proposed prior to approval of the application is unlawful. Once approved, compliance with the terms, conditions and limitations of the permit is necessary. Conservation of the water resources of Kansas is required.

Section 82a-728 of the Kansas Water Appropriation Act, provides (a) except for the appropriation of water for the purpose of domestic use, . . . it shall be unlawful for any person to appropriate or threaten to appropriate water from any source without first applying for and obtaining a permit to appropriate water in accordance with the provisions of the Water Appropriation Act or for any person to violate any condition of a vested right, appropriation right or an approved application for a permit to appropriate water for beneficial use.

(b) (1) The violation of any provision of this section by any person is a class C misdemeanor . . .

A class C misdemeanor is punishable by a fine not to exceed \$500 and/or a term of confinement not to exceed one month in the county jail. Each day that the violation occurs constitutes a separate offense.

If you have any questions, please contact me at (785) 564-6645. If you wish to discuss a specific file, please have the file number ready so that we may help you more efficiently.

Sincerely,

Kristen A. Baum
New Applications Unit Supervisor
Water Appropriation Program

BAT: dlw
pc: TOPEKA Field Office
GMD

TOM HAUSCHEL - SITE MAP

SECS. 20 & 21, T2S, R2E 49895



1:24,000



MAR 1 2018

KS DEPT OF AGRICULTURE

WATER RESOURCES RECEIVED

Proposed Place of Use

AUG 24 2017

KS DEPT OF AGRICULTURE

All known wells within one-half mile of the proposed point of diversion are shown on this map.

Tom Hauschel



SCANNED

TOM HAUSCHEL - SITE MAP
FILE NOS. 49,894 & 49,895
SECS. 20 & 21, T2S, R2E



1:24,000

- Proposed Points of Diversion
- ▨ Proposed Place of Use

All known wells within one-half mile of the proposed point of diversion are shown on this map.

