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

1. File Number:	50,655			Change Date: / <b>2022</b>	3. Field Office: <b>3</b>		4. GMD:					
5. Status:	Approved	Denied by	DWR/GME		)ismiss by Request/	Failure	to Return					
6. Enclosures:	Check Valve	N of C Form	$\boxtimes$	Water Tube	🛛 Driller Copy	×	] Meter					
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746 PRA		-		7d. Misc. New to sy	stem 🗌		Person ID Add Seq#					
8. WUR Corre New to sys Overlap File Agree □ 1 7a	tem 🔲 e (s) WUC	Person ID Add Seq# Notarized WUC Fo	orm 🗌	⊠ IRR □ STK □ HYD DRG	Groundwater		Yes ⊠ No Surface Water DEW ☐ MUN DOM ☐ CON ART RECHRG R:					
	10. Completion Date:       12/31/2023       11. Perfection Date:       12/31/2027       12. Exp Date:											
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				6/9/2022 KAB	Date Prepared: Date Entered 6/		22 By:					

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:	18. Storage: RateNF Quantity ac/ft Additional RateNF Additional Quantity ac/ft																											
19. Limitation:																												
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### KANSAS DEPARTMENT OF AGRICULTURE Division of Water Resources <u>M E M O R A N D U M</u>

TO: Files

FROM: Kris Neuhauser

**DATE:** May 20, 2022

RE: Application, File No. 50,655

Berry Family Farms LLC has filed the above referenced new application to appropriate 345 acre-feet of groundwater at a diversion rate of 800 gallons per minute for irrigation use from a battery of four (4) wells. The geocenter of the proposed battery will be located in the Northeast Quarter (NE¼) of Section 24, Township 8 South, Range 5 West, Cloud County, Kansas.

The place of use is wholly owned by the applicant, comprised of 264 acres throughout Section 24, Township 8 South, Range 5 West, Cloud County, Kansas. The requested quantity of 345 acre-feet is the maximum allowable to irrigate the proposed 264 acres (1.3 Acre-Feet per acre allowed in Cloud County). There are no overlaps in point of diversion or place of use.

The source of water for the pending application appears to be <u>unconfined</u> Dakota aquifer system based on the test hole log, nearby well logs, and the geographical location of the well. The test log submitted with the application shows top-soil and brown clay from 0 to 20 feet, brown clay and gray clay from 20 to 35 feet, fine/medium/course sand and fine/medium gravel from 35 to 40 feet, sand and clay from 40 to 44 feet, sandstone from 44 to 60 feet, fine/medium sandstone and pyrite from 60 to 100 feet, sandstone from 100 to 124 feet, and shale from 124 feet to 140 feet.

Other nearby wells sourcing the unconfined Dakota aquifer system within the two-mile circle generally have depths to top of the sandstone aquifer of 30 feet or less, and have static water levels at or below top of the sandstone aquifer, also supporting the unconfined Dakota aquifer system extends to the East-Northeast from this application. However, the Solomon River and associated alluvium extend throughout the West-Southwest portion of the circle. K.A.R. 5-3-11 applies to safe yield evaluations for all unconfined aquifers. One of the specific criteria is to determine the extent of the unconfined aquifer, which as discussed above, it was determined that a portion of the two-mile circle containing alluvium be excluded, providing 3,918 acres. Safe yield was determined to be 587.76 acre-feet, with Appropriation of Water, File No. 50,531 taking 208 acre-feet, leaving 379.76 acre-feet available. Therefore, this application requesting 345 acre-feet meets safe yield.

The applicant only identified one domestic well within one-half mile of the proposed point of diversion, and it is also owned by Berry Family Farms LLC. A review of aerial photograph and the WWC-5 database reinforces this proclamation. Therefore, no nearby well owner letters are required.

The point of diversion complies with well spacing criteria for the unconfined Dakota aquifer system of one-quarter mile to domestic wells (closest domestic roughly 0.6 miles away) and one-half mile to non-domestic wells (closest appropriation or water right is over a mile away; Appropriation of Water, File No. 50,531).

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 chemical or foreign substance is injected into the water pumped under this permit, a check valve will also need to be installed.

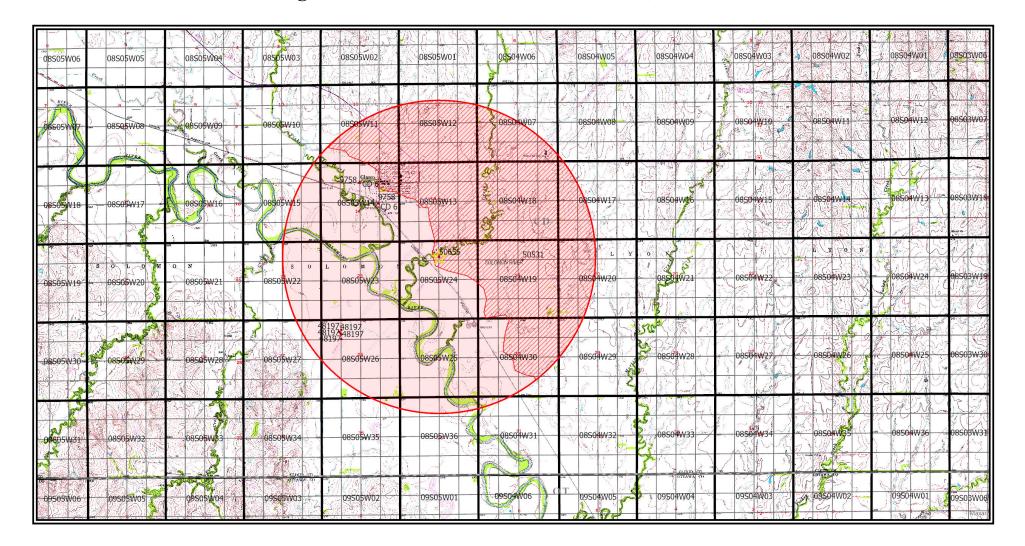
In an email conversation on May 24, 2022, Kelly Stewart, Water Commissioner, Stockton Field Office, recommended approval of the referenced application.

Based on the above discussion, well spacing and safe yield criteria are met, and approval of the application will not impair senior water rights nor prejudicially or unreasonably affect the public interest. Therefore, it is recommended that the referenced application be approved.

Henhansen

Kris Neuhauser New Applications Lead Water Appropriation Program

# Safe Yield Report Sheet Water Right- A5065500 Point of Diversion in 24-08S-05W Footages from SE corner- 4,166 feet North 2,608 feet West



#### **UNCONFINED DAKOTA\***

#### 50655 PASSES SY\*

## **Analysis Results**

The selected PD is in an area OPEN to new appropriations. The safe yield based on the variables listed below is 587.76 AF. Total prior appropriations in the circle is 553.00 AF. - **345 AF = 208 AF** Total quantity of water available for appropriation is 34.76 AF.

### 587.76 AF - 208 AF = 379.76 AF AVAILABLE\*

# Safe Yield Variables

The area used for the analysis is set at 3,918 acres. The potential annual recharge at the circle center is estimated to be 2.4 inches. The percent of recharge available for appropriation is 75%.

Authorized Quantity values are as of 23-MAY-2022 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	e Number	Use	ST	SR	Q4	Q3	Q2	Q1	FeetN	FeetW	Sec	Twp	Rng	ID	Qind	Auth Quant	Add Quant	Tot Acres	Net Acres
A	50531 00	IRR	KE	G		NW	SW	NE	3933	2414	19	08	04W	2	WR	208.00	208.00	160.00	160.00
Α	50655 00	IRR	AY	G		SW	NW	NE	4166	2608	24	08	05W	1	WR	345.00	345.00	264.00	264.00

## Limitations

File Number	Seq Num Limitations	
A 9758 00	2 400 GPM COM/W #CD-06	

From:	Stewart, Kelly [KDA]
Sent:	Tue 5/24/2022 2:01 PM
То:	Neuhauser, Kris [KDA]
Cc:	Billinger, Mark [KDA];Hageman, Nancy [KDA]
Subject:	RE: 50655 recommendation request

Kris,

I recommend approval of this application.

Kelly

From: Neuhauser, Kris [KDA] <Kris.Neuhauser@ks.gov>
Sent: Tuesday, May 24, 2022 9:58 AM
To: Stewart, Kelly [KDA] <Kelly.Stewart@ks.gov>
Cc: Billinger, Mark [KDA] <Mark.Billinger@ks.gov>
Subject: 50655 recommendation request

Morning Kelly,

Attached is my draft memo and SY report for 50655; a GW IRR app from Berry Family Farms in Cloud County. Look like Mark assisted on it. Calling it unconfined Dakota - meets spacing and passes SY. No nearby's required.

Trimmed consistent with nearby 50531, which was approved recently as unconfined Dakota. If you want to discuss any further let me know (this is Dakota after all 😃)

Thanks,

*Kris Neuhauser* New Applications Lead Kansas Department of Agriculture, Division of Water Resources Phone: 785-564-6643



KANSAS DEPARTMENT OF AGRICULTURE

Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES Earl D. Lewis Jr., Chief Engineer

### APPROVAL OF APPLICATION and PERMIT TO PROCEED

(This Is Not a Certificate of Appropriation)

This is to certify that I have examined Application, File No. 50,655 of the applicant

### BERRY FAMILY FARMS LLC 746 PRAIRIE RD MINNEAPOLIS, KS 67467

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

1. That the priority date assigned to such application is **September 24, 2021.** 

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

			·	NE	=1/4			NM	11/4			SM	11/4			TOTAL			
Sec.	Twp.	Range	NE¼	NW1⁄4	SW1⁄4	SE1/4	NE¼	NW1⁄4	SW1⁄4	SE1⁄4	NE¼	NW¼	SW1⁄4	SE¼	NE¼	NW¼	SW1⁄4	SE¼	TOTAL
24	8S	5W	40	40	36	40	34	4		5					38	8		19	264

3. That the authorized source from which the appropriation shall be made is groundwater, to be withdrawn by means of a battery of four (4) wells, with a geographical center located in the Southwest Quarter of the Northwest Quarter of the Northeast Quarter (SW¼ NW¼ NE¼) of Section 24, more particularly described as being near a point 4,166 feet North and 2,608 feet West of the Southeast corner of said section, in Township 8 South, Range 5 West, Cloud County, Kansas, located substantially as shown on the map accompanying the application.

4. That the appropriation sought shall be limited to a maximum diversion rate not in excess of **800** gallons per minute (1.78 c.f.s.) and to a quantity not to exceed **345 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**, **2023** or within any authorized extension thereof. The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works has been completed. Failure to timely submit the notice and the fee will result in revocation of the permit. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

6. That the proposed appropriation shall be perfected by the actual application of water to the proposed beneficial use on or before <u>December 31, 2027</u> or any authorized extension thereof. Any request for an extension of time shall be submitted prior to the expiration of the deadline and shall be accompanied by the required statutory fee of \$100.00.

7. That the applicant shall not be deemed to have acquired a water appropriation for a quantity in excess of the amount approved herein nor in excess of the amount found by the Chief Engineer to have been actually used for the approved purpose during one calendar year subsequent to approval of the application and within the time specified for perfection or any authorized extension thereof.

8. That the use of water herein authorized shall not be made so as to impair any use under existing water rights nor prejudicially and unreasonably affect the public interest.

9. That the right of the appropriator shall relate to a specific quantity of water and such right must allow for a reasonable raising or lowering of the static water level and for the reasonable increase or decrease of the streamflow at the appropriator's point of diversion.

10. That this permit does not constitute authority under K.S.A. 82a-301 through 305a to construct any dam or other obstruction; nor does it grant any right-of-way, or authorize entry upon or injury to, public or private property.

11. That all diversion works constructed under the authority of this permit into which any type of chemical or other foreign substance will be injected into the water pumped from the diversion works shall be equipped with an in-line, automatic quick-closing, check valve capable of preventing pollution of the source of the water supply. The type of valve installed shall meet specifications adopted by the Chief Engineer and shall be maintained in an operating condition satisfactory to the Chief Engineer.

12. That all wells with a diversion rate of 100 gallons per minute or more drilled under the authority of this permit shall have a tube or other device installed in a manner acceptable to, and in accordance with specifications adopted by, the Chief Engineer. This tube or device shall be suitable for making water level measurements and shall be maintained in a condition satisfactory to the Chief Engineer.

13. That an acceptable water flow meter shall be installed and maintained on the diversion works authorized by this permit in accordance with Kansas Administrative Regulations 5-1-4 through 5-1-12 adopted by the Chief Engineer. This water flow meter shall be used to provide an accurate quantity of water diverted as required for the annual water use report (including the meter reading at the beginning and end of the report year).

14. That the applicant shall maintain accurate and complete records from which the quantity of water diverted during each calendar year may be readily determined and the applicant shall file an annual water use report with the Chief Engineer by March 1 following the end of each calendar year. Failure to file the annual water use report by the due date shall cause the applicant to be subject to a civil penalty.

15. That no water user shall engage in nor allow the waste of any water diverted under the authority of this permit.

16. That 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.

18. That this permit is further limited such that all wells shall be located within a three hundred (300) foot radius circle, in the same local source of supply, and shall supply water to a common distribution system.

Ordered this 14 day of



, 2022, in Manhattan, Riley County, Kansas.

near

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

State of Kansas ) ) SS County of Riley )

The foregoing instrument was acknowledged before me this 14 day of 5, 2022, by Lane P. Letourneau, P.G., Water Appropriation Program Manager, Division of Water Resources, Kansas Department of Agriculture.

Notary Public ASHLEE FREEMAN My Appointment Expires April 21, 2024

1320 Research Park Drive Manhattan, KS 66502 785-564-6700 www. agriculture.ks.gov

Mike Beam, Secretary



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

Laura Kelly, Governor

June 23, 2022

BERRY FAMILY FARMS LLC 746 PRAIRIE RD MINNEAPOLIS, KS 67467

RE: Appropriation of Water, File No. 50,655

Dear Applicant:

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

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

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

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

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

Sincerely,

ristenaBaun

Kristen A. Baum New Applications and Changes Supervisor Division of Water Resources

KAB: kjn Enclosure(s)

pc: Stockton Field Office

File No. 50,655

#### RIGHT TO A HEARING AND TO ADMINISTRATIVE REVIEW

If you are aggrieved by this Order, then pursuant to K.S.A. 82a-1901, you may:

- 1) request an evidentiary hearing before the Chief Engineer, or
- 2) request administrative review by the Secretary of Agriculture.

Failure to request an evidentiary hearing before the Chief Engineer does not preclude your right to administrative review by the Secretary. To obtain an evidentiary hearing before the Chief Engineer, a written request for hearing must be filed within 15 days after service of this Order as provided in K.S.A. 77-531 (i.e., within a total of 18 days after this Order was mailed to you), with: Kansas Department of Agriculture, Attn: Legal Section, 1320 Research Park Drive, Manhattan, Kansas 66502, FAX (785) 564-6777.

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

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

### CERTIFICATE OF SERVICE

On this 23 day of JUNC, 2022, I hereby certify that the foregoing Approval of Application and Permit to Proceed, File No. 50,655, dated 14 JUNC, 2027 was mailed postage prepaid, first class, US mail to the following:

BERRY FAMILY FARMS LLC 746 PRAIRIE RD MINNEAPOLIS, KS 67467

With photocopies to:

Stockton Field Office

Division of Water Resources