

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

WATER RESOURCES
RECEIVED

MAR 12 2025

13:31

KS Dept. of Agriculture



State of Kansas

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

File Number: **51455**

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

PID 64577

1. Name of Applicant: Hemink Farms LTD
Address: 2635 CR 521
City: Hart State: TX Zip Code: 79043
Phone: 806/240-5852 Email: lars@spandetdairy.com

2. The source of water is: ☐ surface water in _____ (stream)
☒ groundwater in Buckner (drainage basin)

3. The maximum annual quantity of water desired is 350 for Irrigation ☒ acre-feet ☐ gallons
to be diverted at a maximum rate of 450 ☒ 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 _____ ☐ acre-feet ☐ gallons, at a rate of _____ ☐ 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):
☐ Artificial Recharge* ☒ Irrigation* ☐ Recreational* ☐ Water Power*
☐ Industrial* ☐ Municipal* ☒ Stockwatering* ☐ Sediment Control
☐ Domestic ☐ Dewatering ☐ Hydraulic Dredging ☐ Fire Protection
☐ Thermal Exchange ☐ 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.

IRR/STK

3/31/2025
L Moody

FOR OFFICE USE ONLY														
FO	<u>4</u>	GMD	<u>3</u>	DUA	<u>-</u>	Use	Source	<u>GW</u>	County	<u>GY</u>	By	<u>KJN</u>	Date	<u>3/19/25</u>
Code	<u>Re3</u>	Fee \$	<u>320</u>	TR #		Receipt Date	<u>3-12-25</u>	Check #	<u>16813</u>					

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File No. _____

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5. The location(s) of the proposed diversion work(s) (well, pumphouse, 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.

- P/D 91613
- (A) One in the NE quarter of the NW quarter of the NW quarter of Section 29, more particularly described as being near a point 5164 feet North and 4201 feet West of the Southeast corner of said section, in Township 24 South, Range 27 ☐E ☒W, GRAY County, KS. A.K.A.: D2
- (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 1 well
(number of wells, pumps, dams, etc.)
and was/will be completed on or by the following date: ASAP - 6/1/25
(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 7/1/2025
(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.

New application for a Dakota Well to provide additional authority to existing authorized quantities. Application will overlap existing WRs 21114, 23384, 29068, 29113 & 31670 with the same places of use for IRR in Sections 29 & 32-T24S, R27W and STK use in the parts of the following Sections: NE/4, Part of NW/4 & SW Part of SE/4 of Section 31, SE/4 of Section 30, NW/4 of Section 32 and SW/4 of Section 29, all of T24S-R27W. Additional authority will be for irrigation and stockwater dual use. Maximum authority for stockwater (350 ac-ft) is requested.

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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. N/A

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: _____

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 ½ 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 ½ mile, please indicate that on the map.)

For Surface Water Use, the names and addresses of the landowner(s) ½ mile downstream and ½ 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	10/22/2024	_____	_____	_____	_____
Total depth of well	660' test hole	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____	_____

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

Hemink Farms, LTD

(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:

Spandet Dairy, LLC & Hemink Farms, LTD

(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:

Spandet Dairy, LLC, 6306 20 Rd, Cimarron, KS 67835

(name, address, and phone)

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)

3/4/25

(Date)

Lars Schilderink

(Applicant Name – please print)

Manager

(Applicant Title, if applicable – please print)

Assisted by _____ Date: _____
(office/title)

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FEE SCHEDULE*Make checks payable to the Kansas Department of Agriculture.*

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

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

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

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 81.462	≤ 249.9	\$200.00
≥ 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-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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NASH WATER WELL SERVICE, LLC
PO Box 1388
710 W AVE A
CIMARRON KS 67835
620-277-5657

OWNER: SPANDET DAIRY

LATITUDE: 37.942686
LONGITUDE: 100.314891

DEPTH OF TEST HOLE DRILLED: 660'
JOB NAME: TEST HOLE #8
DATE: 10/22/24

LITHOLOGIC LOG INFORMATION:

<u>FROM</u>	<u>TO</u>	<u>LITHOLOGIC LOG</u>	
0'	4'	TOP SOIL	
4'	20'	FINE SAND	
20'	40'	TAN & BROWN CLAY WITH WHITE CALICHE & FINE MEDIUM SAND	
40'	60'	TAN CLAY WITH FINE MEDIUM SAND & CALICHE	
60'	80'	TAN & BROWN CLAY WITH FINE MEDIUM SAND	
80'	120'	FINE COARSE SAND	
120'	145'	FINE COARSE SAND WITH SMALL GRAVEL	
145'	290'	BLUE SHALE WITH ROCK STREAKS & LAYERS	
290'	335'	BLUE STICKY CLAY WITH BLUE SHALE	
335'	340'	GRAY BLUE CLAY WITH TIGHT FINE GRAY SANDSTONE	20%
340'	360'	FINE GRAY SANDSTONE WITH GRAY CLAY	MEDIUM 50%
360'	380'	FINE GRAY SANDSTONE WITH GRAY CLAY	MEDIUM 50%
380'	400'	FINE GRAY SANDSTONE WITH GRAY CLAY	MEDIUM 70%
400'	420'	GRAY CLAY WITH MEDIUM GRAY SANDSTONE	MEDIUM 70%
420'	440'	MEDIUM GRAY SANDSTONE WITH GRAY CLAY	MEDIUM 70%
440'	460'	GRAY BLUE CLAY WITH GRAY SANDSTONE	MEDIUM 60%
460'	480'	GRAY BLUE CLAY WITH GRAY SANDSTONE	MEDIUM TIGHT 60%
480'	500'	GRAY SANDSTONE WITH BLUE GRAY RED CLAY	MEDIUM TIGHT 50%
500'	520'	GRAY BLUE RED CLAY WITH COARSE TAN SANDSTONE	MEDIUM 30%
520'	540'	GRAY BLUE RED CLAY WITH COARSE TAN SANDSTONE	MEDIUM 40%
540'	560'	GRAY BLUE CLAY WITH MEDIUM TAN SANDSTONE	MEDIUM 60%
560'	580'	COARSE TAN SANDSTONE & GRAY BLUE CLAY	MEDIUM 80%
580'	600'	COARSE TAN SANDSTONE & GRAY BLUE CLAY	MEDIUM 80%
600'	620'	COARSE TAN SANDSTONE & GRAY BLUE CLAY	MEDIUM 90% - 860
620'	640'	BLUE CLAY & THIN STREAKS OF GRAY SANDSTONE	TIGHT 10%
640'	660'	BLUE CLAY & THIN STREAKS OF GRAY SANDSTONE	TIGHT 10%

<u>WELL ID/PDIV</u> <u>ID</u>	<u>COUNTY</u>	<u>TOWNSHIP</u>	<u>TWN DIR</u>	<u>RANGE</u>	<u>RANGE DIR</u>	<u>SECTION</u>	<u>SPOT</u>	<u>LONGITUDE</u>	<u>LATITUDE</u>	<u>OWNER*</u>	<u>ADDRESS*</u>	<u>WELL USE</u>
426965	Gray	24	S	27	W	20	SW SE SE	-100.3033	37.9437655	Chaffin Investments Inc	PO BOX 77 DODGE CITY, KS 67801-0077	Irrigation-PLUGGED
23850	Gray	24	S	27	W	20	W2 SE SE	-100.30368	37.944713	Chaffin Investments Inc	PO BOX 77 DODGE CITY, KS 67801-0077	Irrigation
23849	Gray	24	S	27	W	20	NE SW SW	-100.3147	37.9456554	Dewey, Tim	PO BOX 269 CIMARRON, KS 67835-0269	Irrigation
	Gray	24	S	27	W	20	SE SW	-100.311	37.9438	Dewey, Tim	PO BOX 269 CIMARRON, KS 67835-0269	Domestic
348712	Gray	24	S	27	W	19	C E2 SE	-100.3204	37.9466104	O'CONNER, LONDON A TRUST	2513 ROUGH CREEK RD DERBY, KS 67037-9720	Irrigation
341775	Gray	24	S	27	W	19	NC E2 SE	-100.3204	37.9484343	O'CONNER, LONDON A TRUST	2513 ROUGH CREEK RD DERBY, KS 67037-9720	Irrigation-PLUGGED
	Gray	24	S	27	W	All wells shown on 29, 30 map in Sections				Hemink Farms, LTD	2635 COUNTY ROAD 521 HART, TX 79043-5258	Irrigation/Stock

Data (wells within 1/2-mile) were obtained from the WWCS Water Well Database Query and WIMAS Water Rights Database (<https://kgs.ku.edu/water-resources-and-geohydrology>) .

*Well Owner as noted on WWCS database and Addresses obtained from the Open Records for Kansas Appraisers - Gray County (<https://www.kansasgls.org/orca/map.cfm>) OR from the well log obtained from WWCS Database Query (<https://www.kgs.ku.edu/Magellan/WaterWell/index.html>)

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Gray County

*No known wells are located within 2-mile of the proposed well for Hemink Farms-Spandet Dairy.

These are the wells available for this county

Township 24 South

[C NE NE, Sec. 21, Twp. 24S, Rge. 29W](#)

[C SW NE, Sec. 1, Twp. 24S, Rge. 30W](#)

Township 25 South

[T25S R27W, Sec. 32, 25' E OF E/2 SE SW](#)

[T25S R29W, Sec. 19, C NW NW](#)

[T25S R30W, Sec. 29, C NE SW](#)

Township 26 South

[T26S R29W, Sec. 20, SW SW NE](#)

[T26S R30W, Sec. 1, C NW SE](#)

Township 27 South

[T27S R27W, Sec. 33, SE SE NW](#)

[T27S R28W, Sec. 31, C-SW-SW-SW](#)

[T27S R29W, Sec. 23, SE-SE-SE](#)

Township 28 South

[T28S R27W, Sec. 3, 1980 FSL & 1320 FWL](#)

[T28S R27W, Sec. 31, SW-SW-SW](#)

[T28S R30W, Sec. 17, NW CORNER](#)

Township 29 South

[T29S R28W, Sec. 4, C-NE](#)

[Back to County Search](#) || [Back to Dakota Home Page](#)

Kansas Geological Survey, Dakota Aquifer Program

Send comments and/or suggestions to webadmin@kgs.ku.edu

Updated Oct. 15, 1998

URL = <http://www.kgs.ku.edu/Dakota/vol2/cnty/gray.htm>

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KS Dept. of Agriculture

IRRIGATION USE
SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Hemink Farms, LTD

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: Hemink Farms, LTD **PID 64577**
IRR POU> ADDRESS: 2635 CR 521, Hart, TX 79043

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
32	24	27W	31.5	31.5	31.5	31.5					31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	378 - IRR
29	24	27W			6.4	3.7	4	35	40	12	6.4			3.7	35.6	39.5	35.6	29.1	251 - IRR

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	

PID 64577

PID 64737 (WUC)

Landowner of Record NAME: Hemink Farms, LTD & Spandet Dairy LLC
STK POU> ADDRESS: 6306 20 Rd, Cimarron, KS 67835

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
32	24	27W					X	X	X	X									
							all NW/4												
31	24	27W	X	X	X	X	X								X			X	
			all NE/4				NE/Pt of NE/4								SW/Pt & NW/Pt of SE/4				
30	24	27W											X				X	X	
											SE/Pt of SW/4						S/2 of SE/4		
29	24	27W									X	X							
											S/2 of SW/4								

P/U 30505

P/U 20459

P/U 70045

P/U 70046

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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: ***Existing Irrigation System**

Soil Name	Percent of field (%)	Intake Rate (in/hr)	Irrigation Design Group
2801-Spearville	Est 76.6	0.2-0.6	Existing System
1960-Buffalo Spark	Est 7.7	2.0-6.0	Existing System
1762-Richfield & 2612 Harney	Est 5.7/6.2	2.0-6.0	Existing System
2815-Uly	Est 3.8	2.0-6.0	Existing System
Total:	100 %		

- b. Estimate the average land slope in the field(s): Predominate 0-1 % based on soil survey
Estimate the maximum land slope in the field(s): 6 % based on soil survey

- 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:

Sprinklers are extremely low to the ground and are low pressure. Irrigation application with LEPA sprinklers will be managed so that no tailwater is expected.

- ii. For sprinkler systems:

- (1) Estimate the operating pressure at the distribution system: 15-30 psi
 (2) What is the sprinkler package design rate? 450 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? Existing feet - Refer to Page 1 of 2
 (4) Please include a copy of the sprinkler package design information.

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

Sorg Silage, Wheat/Triticale Silage and Corn Silage
 Crops are selected based on dairy rations and may change due to availability of feedstuffs.

- 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).

First priority will be stockwater for dairy. Any additional irrigation needs will be based on crop demands of selected crops. Stockwater utilized by the dairy will be captured in wastewater storage ponds and recycled for and beneficial use on crops throughout the farm for irrigation purposes.

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

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**STOCKWATER USE
SUPPLEMENTAL SHEET**File No. 13865//29068/29113/31670/36483/36848/39637 & (21114/23384)Name of Applicant (Please Print): Spandet Dairy, LLC & Hemink Land1. Please indicate type of livestock (cattle, hogs, etc.): Dairy Cattle

2. Please complete the following table showing past and present water requirements:

PAST NUMBER OF HEAD AND WATER DIVERTED, IF APPLICABLE

LAST 5 YEARS	NUMBER OF HEAD	WATER DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
2018 5 years ago	14,983	130,047,134.1	avg 23.78 gals/hd/day
2023 Last year	14,644	250,182,457	avg 46.8 gals/hd/day
Present Year			

3. Please complete the following table showing estimated future water requirements:

ESTIMATED FUTURE NUMBER OF HEAD AND WATER DIVERTED

NEXT 5 YEARS	NUMBER OF HEAD	WATER TO BE DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
Year 1	20,700	271,306,000	avg 35.9 gals/hd/day
Year 2	20,700	271,306,000	avg 35.9 gals/hd/day
Year 3	20,700	271,306,000	avg 35.9 gals/hd/day
Year 4	20,700	271,306,000	avg 35.9 gals/hd/day
Year 5	20,700	271,306,000	avg 35.9 gals/hd/day

Please attach any additional information, tables, or curves showing past, present and estimated future water requirements to substantiate the amount of water requested.

4. Please designate the legal description of the location where the water is to be used. Show in the space provided below the Section (S), Township (T), and Range (R), and the number of acres in each forty acre tract or fractional portion thereof.

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
31	24S	27W	X	X	X	X	X									X		X	
30	24S	27W												X			X	X	

32 24S 27W
29 24S 27W
DWR 1-100.26 (2/3/94)

X X X X

X X

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5. Show quantities of water used and all associated water uses at the feedlot such as water used in feed mills, cooling of animals, washing, flushing of wastes, etc.: Estimates below:

DRINKING

9,600 head of milkers x 36 gallons/head (avg.) x 365 days = 126 M gallons

7,500 head of heifers, dry cows x 14-15 gallons/head (avg.) x 365 days = 39 M gallons

3,600 head of young stock x 5 gallons/head (avg.) x 365 days = 6.5 M gallons

COOLING n/a

200-400 gallons/hour x 2.67 hour/day x 165 days = 4.4 M gallons

SANITATION

Parlor Operations-Sanitation

60,000 gals/day x 365 days/yr = 21.9 M

_____ g.p.m. x 60 min/hr x _____ hr/wk x _____ wks/yr = _____ gallons

5,000 gals/day x 365 days = 1.8 M gallons

5,750 gals/day x 365 days = 2.1 M gallons

OTHER USE (Explain) _____

Additional Cooling = 15.7 M gallons

Overflow Water Troughs 15 M gals

Cow Wash 3.5 M gals

Manure Management 4 M gals

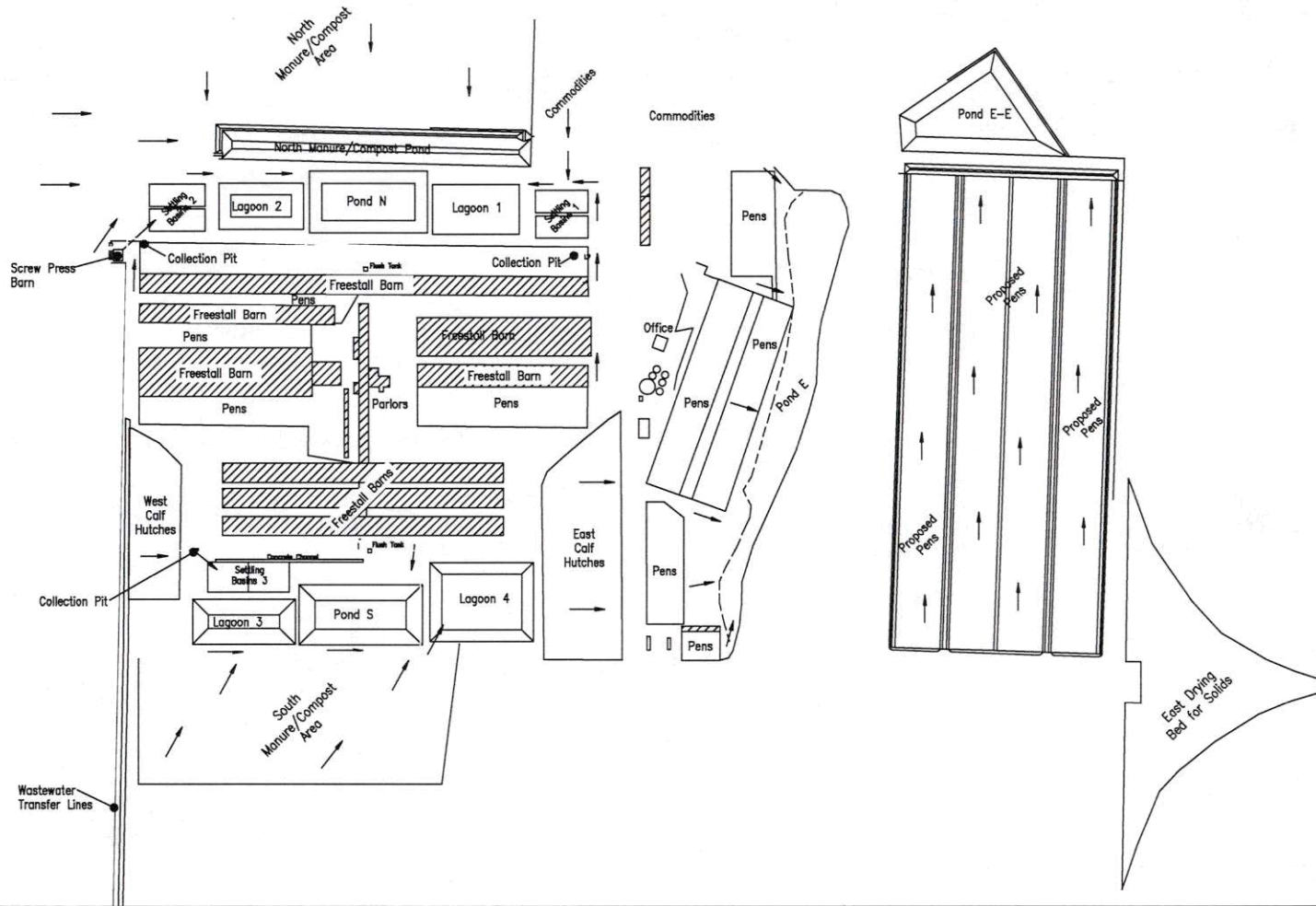
TOTAL ----- 271.3 M gallons

6. Show location of present and future location of confinement pens on your attached maps or photographs.
Refer to attached Proposed Site Map(s).

7. Total feed bunk space for cattle or livestock is _____ linear feet.

8. Total size of stock pens for confinement area of cattle, hogs, etc. is _____ square feet.

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



450' 0 450' 900'
SCALE AS SHOWN

Spandet Dairy KS
Cimarron, KS
Gray County

Proposed Site Map - Dairy
Figure 2.4a

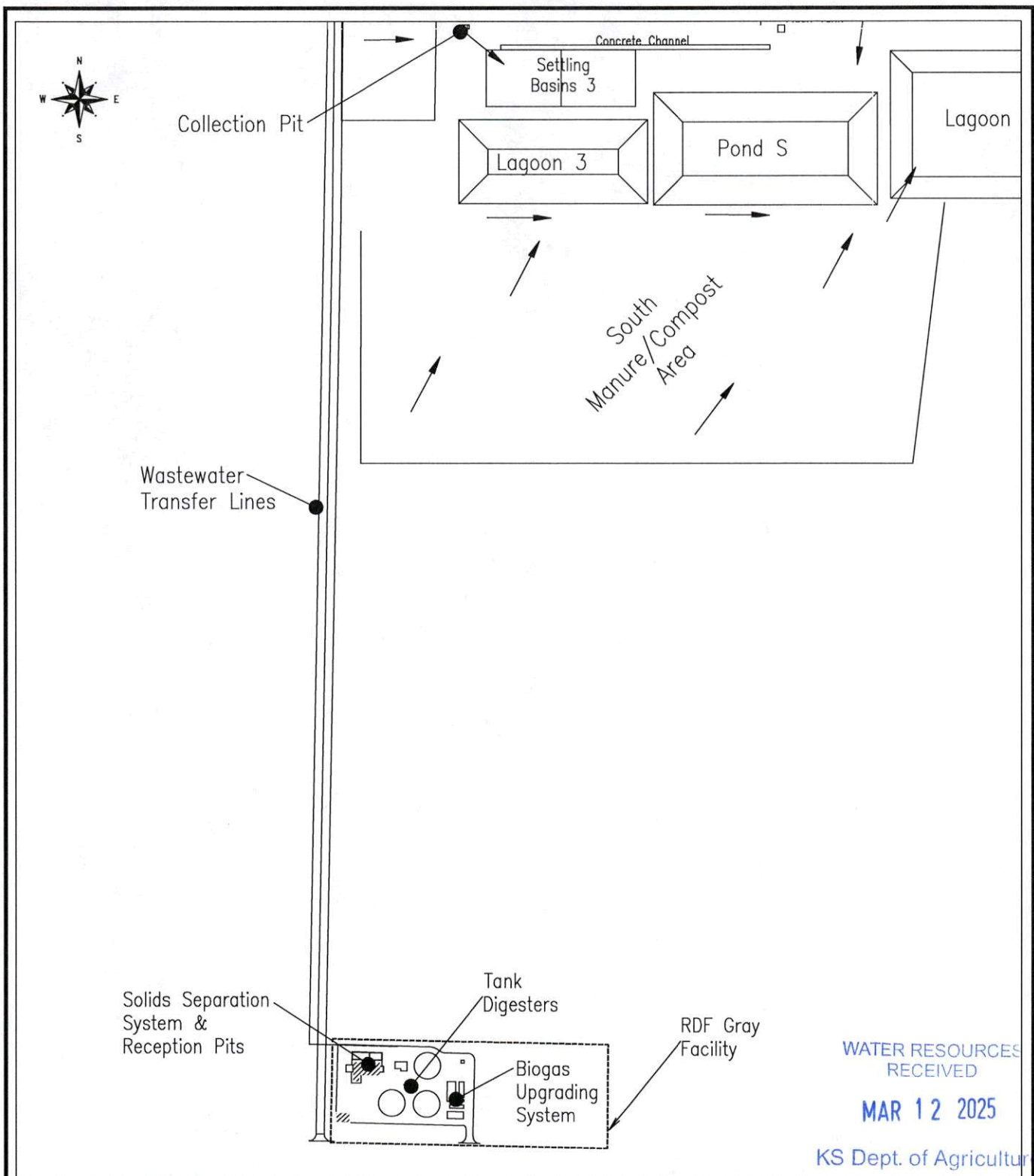


Enviro-Ag Engineering, Inc.
ENGINEERING CONSULTANTS
3404 Airway Boulevard
AMARILLO, TEXAS 79118
TEL (806) 353-6123 FAX (806) 353-4132

KS Dept. of Agriculture

MAR 12 2025

WATER RESOURCES
RECEIVED



WATER RESOURCES
RECEIVED

MAR 12 2025

KS Dept. of Agriculture



SCALE AS SHOWN

Spandet Dairy
Cimarron, KS
Gray County

Proposed Site Map -
Manure Digester Facility
Figure 2.4b



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Corporate Office:
3404 Airway Blvd.
Amarillo TX 79118

Central Texas:
9855 FM 847
Dublin TX 76446

New Mexico:
203 East Main Street
Artesia NM 88210

WATER RESOURCES
RECEIVED

MAR 12 2025

KS Dept. of Agriculture

March 10, 2025

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

Re: Application for Permit, Spandet Dairy, LLC and Hemink Farms, LTD in Gray County,
KS

Dear Chief Engineer,

Attached are applications for permits to appropriate water for beneficial use.

If you have any questions or require additional information, please give me a call at 806/350-5463 or email me at mshoemaker@enviroag.com. The site contact is Lars Schilderink at 806/240-5852.

Sincerely,

Marsha Shoemaker

Marsha Shoemaker
Enviro-Ag Engineering, Inc.

Enclosures

Cc: Spandet Dairy/Hemink Farms

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

March 21, 2025

HEMINK FARMS LTD
2635 CR 521
HART TX 79043

RE: Application, File No(s). **51455**

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 Garden City Field Office at 620-276-2901. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser
New Applications Lead
Water Appropriation Program