SECOND AMENDED

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

APPLICATION FOR APPROVAL TO CHANGE THE PLACE OF USE, THE POINT OF DIVERSION OR THE USE MADE OF THE WATER UNDER AN **EXISTING WATER RIGHT**



Filing Fee Must Accompany the Application (Please refer to Fee Schedule on signature page of application form.)

Paragraph Nos. 1, 2, 3, 4 & 8 must be completed. Complete all other applicable portions. A topographic map or detailed plat showing the authorized and proposed points(s) of diversion and /or place of use must accompany this application.

	·			
Application is hereby ma	,	Chief Engineer to cha	nge the	Water Resources Received
(Check one or more)				MAR 26 2019
	Use Made of Water	er .	KS	Dept Of Agriculture
	File N	No22,331		
Name of applicant:C	ity of Hays, Kansas a	and City of Russell	, Kansas (See Sectio	n I.A. of the Cover Letter.)
Address: <u>c/o Foulsto</u>	n Siefkin LLP, 1551	N. Waterfront Par	kway, Suite 100	
City, State and Zip: W	ichita, Kansas 67206		••	
Phone Number: (316)	291-9725	E-mail address	: dtraster@foulston.	com
What is your relationship	p to the water right; 🗹 o	wner 🗌 tenant 🔲	agent other? If oth	ner, please explain.
Hays and Russell are	co-owners of the au	thorized place of t	ise on the R9 Ranch	in Edwards County, Kansas
Name of water use corre	espondent: <u>City of Ha</u>	ys, Kansas		
Address: P.O. Box 49	90, 1507 Main Street			
City, State and Zip: Ha	ys, Kansas 67601			25.25.25.25.25.25.25.25.25.25.25.25.25.2
Phone Number: (785)	628-7320	_ E-mail address	: tdougherty@haysu	isa.com
The change(s) proposed	d herein are desired for t	the following reasons	(please be specific):	
See Section I.B. of the	ne accompanying Co	ver Letter which is	s incorporated by ref	erence. The Cover Letter
supersedes the June	25, 2015 Cover Lette	r that accompanie	d the original Change	e Applications.
The change(s) (was) (wi	ill be) completed by <u>De</u>	ecember 31, 2029.	(Date)	· · · · · · · · · · · · · · · · · · ·
r Office Use Only:) Use Sou _ TR #		
	Name of applicant:CAddress:c/o Foulsto City, State and Zip: _W Phone Number: (_316_) What is your relationship Hays and Russell are Name of water use corre Address: _P.O. Box 49 City, State and Zip: _Ha Phone Number: (_785_) The change(s) proposed See Section I.B. of the supersedes the June 2 The change(s) (was) (with	(Check one or more) Place of Use Point of Diversion Use Made of Wate File N Name of applicant: City of Hays, Kansas a Address: c/o Foulston Siefkin LLP, 1551 City, State and Zip: Wichita, Kansas 67206 Phone Number: (316) 291-9725 What is your relationship to the water right; Address: P.O. Box 490, 1507 Main Street City, State and Zip: Hays, Kansas 67601 Phone Number: (785) 628-7320 The change(s) proposed herein are desired for the See Section I.B. of the accompanying Cosupersedes the June 25, 2015 Cover Letter The change(s) (was) (will be) completed by Desired For See Section I.B. of the accompanying Cosupersedes the June 25, 2015 Cover Letter	Place of Use Point of Diversion Use Made of Water	Check one or more Point of Diversion Use Made of Water KS

File No	22,331
HIE NO	44.331

4. The presently authorized place of use is:

Owner of Land — NAME: City of Hays, Kansas

ADDRESS: P.O. Box 490, 1507 Main Street, Hays, Kansas 67601

		NE	1/4			NV	N ¹ /4			SV	V1/4			SE	1/4		TOTAL
Sec. Twp. Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	ACRES
1-T26S-R20W						Lot 4 19	34			5							58
2-T26S-R20W	17			39	,	,							6				62
									-								

List any other water rights that cover this place of use. None

Owner of Land — NAME: <u>City of Russell, Kansas</u>

ADDRESS: 113 W. 8th Street, Russell, Kansas 67665

	111	ms a	1 80	.∳. NE	Ε¼			NV	N"/4			SV	V1/4			SE	1/4		TOTAL
Sec.	€.; Twp.	Range	NE1/4	NW1/4	SW1/4	SE1/4	NE%	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	ACRES
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		. e ^c																	

List any other water rights that cover this place of use. None

(If there are more than two landowners, attach additional sheets as necessary.)

5. It is proposed that the place of use be changed to:

Owner of Land — NAME: City of Hays, Kansas

ADDRESS: P.O. Box 490, 1507 Main Street, Hays, Kansas 67601

				NE	1/4			NV	V¼			· sv	V¼			SE	1/4		TOTAL
Sec.	Twp.	Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW¼.	SW1/4	SE1/4	ACRES
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									Se	e Atta	achm	ent		-					

List any other water rights that cover this place of use. See Attachment

Owner of Land — NAME: <u>City of Russell, Kansas</u>

ADDRESS: 113 W. 8th Street, Russell, Kansas 67665

				NE	<u> </u>			N۷	V1/4			SV	V% .			SE	1/4		TOTAL
Sec.	Twp.	Range	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	ACRES
									Se	e Atta	achm	ent							
	-																		<i>j</i> *

List any other water rights that cover this place of use. See Attachment

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

Amended Substitute Page

			F	File No. 22	2,331
The presently author	orized point(s) of diversion (is) (are)	irrigation we	ll(s) described in para	graphs 8, 9, an	nd 10
i ne proposed point	(s) of diversion (is) (are) a new mur	nicipal well des	(Provide description and num	ber of points)	n the Attacho
List all presently a	uthorized point(s) of diversion:	• •			
Presently authoriz	ed point of diversion:				
One in thenea	r the center Quarter of the	SW	Quarter of the	NW	Quarter
of Section	1 Township	26	South, Range	20	(E /W),
in Edwards	1 , Township	feet North _	4,875 feet West of	Southeast corner	r of section.
	645 gpm Authorized Quantity				
(DWR use only: C	omputer ID No G	PS	feet North	feet We	st)
☐ This point will r	not be changed 🔳 This point w	ill be changed	as follows:		
Proposed point of	diversion: (Complete only if chan	nge is requeste	ed)	_	
One in the	NE Quarter of the	SW	Quarter of the	SW	Quarter
of Section	NE Quarter of the 1 , Township	26	South, Range	20	(X W),
in Edwards	S County, Kansas,1,634	feet North _		Southeast corner	r of section.
	e Attachment Proposed Quantity				
This point is: Ad	ditional Well	other water righ	nts that will use this point	22,332; &	30,084
Presently authoriz	ed point of diversion:			•	
One in the	Lot 9 Quarter of the		Quarter of the		Quarter
of Section	Lot 9 Quarter of the 2 , Township	26	South, Range	20	(E /W),
in Edwards	S County, Kansas, <u>3,460</u>	feet North _	feet West of \$	Southeast corner	r of section.
Authorized Rate	640 gpm Authorized Quantity	/90 a/f			
(DWR use only: C	omputer ID No G	PS	feet North	feet We	st)
☐ This point will n	ot be changed 🛮 🔳 This point wi	ill be changed	as follows:		
Proposed point of	diversion: (Complete only if char	nge is requeste	ed)		
One in the	NE Quarter of the	SW	Quarter of the	SW	Quarter
of Section	NE Quarter of the 1, Township	26	South, Range	20	<u>(₹</u> /W),
in Edwards	County, Kansas, 1,634	feet North	4,078 feet West of	Southeast corner	r of section.
	Attachment Proposed Quantity				
This point is: Ad	ditional Well	other water righ	nts that will use this point	22,332; &	30,084
Presently authoriz	ed point of diversion:				
One in the	Quarter of the	•	Quarter of the		Quarter
of Section	, Township		South, Range		(E/W),
in	County, Kansas,	feet North _	feet West of	Southeast corner	r of section.
	Authorized Quantity				
(DWR use only: C	omputer ID No G	PS	feet North	feet We	st)
☐ This point will n	ot be changed 🛮 This point wi	ill be changed	as follows:		
Proposed point of	diversion: (Complete only if chan	nge is requeste	ed)	5.	
	Quarter of the				Quarter
	, Township				
	County, Kansas,				
	Proposed Quantity				
	ditional Well Geo Center List			•	
The Politice L. Au		and makering	coo and point		

See the Attachment.

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY
Received

11. Describe the current condition of and future plans for any point(s) of diversion which will no longer be used.

Amended Substitute Page

MAR 26 2019

				File No	22,331
12.	The	e pre	sently authorized use of water is for <u>irrigation</u> purposes	S.	
		•	posed that the use be changed to <u>municipal</u>	_ purposes.	
13.	If ch	_	ing the place of use and/or use made of water, describe how the consumptive use wite the Attachment and the Master Order, Section III, Quantities for Municipal Section III, Quantities		eased.
	/Dla				
			how any calculations here.)	(a fa	
			lested that the maximum annual quantity of water be reduced to See Attachment		
15.	lt is	req	uested that the maximum rate of diversion of water be reduced to <u>See Attachment</u> ga	allons per mi	nute (c.f.s.).
	1:24 Kar Dist sho	4,00 nsas tanc uld a	dication must include either a topographic map or detailed plat. A U.S. Geological SD, is available through the Kansas Geological Survey, 1930 Constant Avenue, Ur 66047-3726 (www.usqs.gov). The map should show the location of the presently a set North and West of the Southeast corner of the section must be shown. The presence of the section lines and the section contownship, and range numbers on the map. In addition the following information must	niversity of hauthorized po esently authoriners and sh	Cansas, Lawrence, pint(s) of diversion. orized place of use ow the appropriate
	a.	If a	change in the location of the point(s) of diversion is proposed, show:		
		1)	The location of the proposed point(s) of diversion. Distances North and West of the must be shown. Please be certain that the information shown on the map agrees Paragraph Nos. 9, 10 and 11 of the application.		
		2)	If the source of supply is groundwater, please show the location of existing wat domestic wells, within $\frac{1}{2}$ mile of the proposed well or wells. Identify each well as to mailing address of the property owner or owners. If there are no wells within $\frac{1}{2}$ mile,	its use and	I furnish name and
		3)	If the source of supply is surface water, the names and mailing addresses of all lar and $\frac{1}{2}$ mile upstream from your property lines must be shown.	ndowner(s) 1	4 mile downstream
	b.	If a	change in the place of use is desired, show the proposed place of use by crossha ain that the information shown on the map agrees with the information shown in Para	tching on th graph No. 5	e map. Please be of the application.
	loca well	al so I log	locumentation to show the change(s) proposed herein will not impair existing water urce of supply as to which the water right relates. This information may include stat s, test hole logs, and other information as necessary information to show the above elow.	ements, plat	s, geology reports,
	Se	e th	Master Order, Section II, Change in Beneficial Use; Section VI, Change	in Places o	f Use;
	and	d Se	ction VIII, Change in Points of Diversion.		
	-				
	ider requ	ntify uest	oposed change(s) does not meet all applicable rules and regulations of the Kansas Natherrules and regulations for which you request a waiver. State the reason why a should be granted. Attach documentation showing that granting the request will not prejudicially and unreasonably affect the public interest.	waiver is no	eded and why the
		N	o waivers are required.		

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY
Substitute Page

MARCHAEL KARRELL

This Amended Change Application is contingent on (a) the entry of the Master Order as a Final Order with terms that are acceptable to the Cities and (b) the occurrence of the contingencies in the *Effective Date and Expiration Date* Section of the Master Order.

5. It is proposed that the place of use be changed to:

- a. The various parcels of land known as the R9 Ranch located in Edwards County, Kansas, as specifically described in **Appendix A** of the Master Order.
- b. The City of Hays, Kansas and its immediate vicinity as well as related areas in the Northeast Quarter (NE/4) of Section 19 and the Northwest Quarter (NW/4) of Section 36, T13S-R18W, Ellis County, Kansas.¹
 - c. The City of Russell, Kansas and its immediate vicinity.²

Other water rights owned by the City of Hays: EL 002; 1,248; 5,757; 18,857; 18,858; 33,296; 33,548; 36,519; 36,520; 36,804; 40,367; 40,368; 40,702; 40,703; 40,704; 40,705; 40,706; and 40,707.

Other water rights owned by the City of Russell: RS 08; 206; 1,267; 1,861; 7,628; 17,586; 17,587; 36,680; and 20139006.

8., 9., and 10. Proposed Rate, Quantity, and Well Location

The Cities requested a total of 209 acre-feet at 1,000 gpm from the well associated with this water right, all of which would be diverted from new Municipal Well "J," as shown on Exhibit K. When combined with existing wells from other water rights, new Municipal Well "J" would have a cumulative total of 678.44 acre-feet at 3,170 gpm.

After extensive negotiation, the Cities and the Chief Engineer have reached an agreement on numerous terms that are set out in the Master Order, including an agreement that, subject to the negotiated terms and the contingencies in the Master Order, the proposed Municipal Well "J" will be limited to 540.0 acre-feet per year for municipal use at a maximum rate of 700 gallons per minute with 180.0 acre-feet diverted from File 22,331 and the balance from Files 22,329, 22,330, 22,332, and 30,084

Attached as Exhibits K, L, Q, and R are maps that show the location of the currently authorized points of diversion, the proposed location of new Municipal Well "J," a one-half mile buffer around the proposed Municipal Well, a 1,000-foot radius around that location, and the proposed areal limits within which the new Municipal Well can be located without having to file a new change application.

As shown on Ex. U, new Municipal Well J is farther from the center line of the Arkansas River than the irrigation well and therefore complies with K.A.R. 5-5-13.

11. Describe the current condition of and future plans for any point(s) of diversion that will no longer be used.

Water Resources Received

MAR 26 2019

¹ See Exhibit M.

² See Exhibit N.

All but a few of the irrigation wells on the R9 Ranch have been properly plugged and WWC-5P well plugging forms have been prepared and submitted to KDHE. *See* Exhibits S and T for the Well Plugging Records for the irrigation wells authorized by File 22,331.

13. If changing the place of use and the use made of water, describe how the consumptive use will not be increased:

Quantity authorized and perfected

The Permit was issued on March 19, 1976, granting the applicant the right to divert up to 214 acre-feet annually at a rate of up to 1,000 gallons per minute for irrigation use³, on 120 acres in Sections 1 and 2-T26S-R20W, or 1.78 acre-feet per acre.⁴ The Certificate limited the rate to 1,000 gallons per minute when the two wells were operated simultaneously.

In the cover letter transmitting the Permit, DWR made findings of fact stating that "the proposed use is for a beneficial purpose and is *within reasonable limitations*. If priorities are observed and respected, the proposed use will neither impair any use under existing water rights nor prejudicially and unreasonably affect the public interest."⁵

DWR's Field Inspection Reports indicate that all of the 214 acre-feet authorized by the Permit were lawfully perfected.

• 201 acre-feet⁶ and 202 acre-feet⁷ (403 acre-feet) were applied to 120 approved acres in Sections 1 and 2-T26S-R20W.

While the Certificate limits the total quantity to 180 acre-feet based on DWR's after-the-fact determination that 1.5 acre-feet per acre was a reasonable quantity for irrigation use, DWR did not have jurisdiction to make this reduction.⁸

Thus, since the perfection period has expired, the "authorized quantity" for this water right is the 214 acre-feet actually perfected even though it exceeds the certified quantity.

NIR for Alfalfa

The Field Inspection Reports state that alfalfa was grown on each of these circles during the year of record. According to the Kansas Irrigation Guide, the NIR for the 50% chance rainfall in Edwards County is 20.9 (1.74 feet) inches for alfalfa.

Since alfalfa was grown on the authorized place of use in at least one year during the perfection period, it is reasonable to use the NIR for alfalfa, which yields a total quantity of

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³ Permit, HAYS002691, Ex. A.

⁴ Application, HAYS002681, Ex. B.

⁵ March 19, 1976, letter (emphasis added), HAYS002690, Ex. C.

⁶ FIR, HAYS002663, Ex. D.

⁷ FIR, HAYS002672, Ex. E.

⁸ Certificate, HAYS002702, Ex. F; Doug Bush August 29, 1994, Memo, HAYS002695, Ex. G; Larry Sheets September 27, 1994 letter, HAYS002699, Ex. H; and *Clawson v. Kansas Dept. of Agriculture, Div. of Water Resources*, 49 Kan. App. 2d 789, 315 P.3d 896 (2013).

⁹ FIRs, HAYS002666, Ex. D, and 2675, Ex. E.

209.00 acre-feet consumed. While this quantity is greater than the quantity set out in the Certificate, it is less than the "maximum annual quantity authorized by the water right." 10

See also, Exhibits O and P.

14. The maximum annual quantity of water for municipal use:

Subject to the contingencies stated above and the negotiated terms of the Master Order, the proposed Municipal Well "J" will be limited to a maximum quantity of 540.0 acre-feet per year for municipal use with 180.0 acre-feet diverted from File 22,331 and the balance from Files 22,329, 22,330, 22,332, and 30,084.

15. The maximum annual rate of diversion:

Subject to the contingencies stated above and the negotiated terms of the Master Order, the proposed Municipal Well "J" will be limited to a maximum rate of 700 gallons per minute, 1.56 cubic feet per second.

Water Resources Received

MAR 26 2019

EXHIBIT S

WATED	S DELL DE	UGGING F	FCODD	Form WW	C-5P	KSA 82	a-1212 ID NO.	Well #22A
	ION OF WAT		Fraction	FUI III VV VV		Number		Range Number
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check he	re ∐ 6 1/2	South, 2 1/2	West of Kins	sley	Elevation:			
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,	t. Address, Bo		Box 56		□□Dig	ital Map/Ph	oto, 🔲 Topographic	Map, Land Survey
City, Si	tate ZIP Code	Hays	, KS 67601		Est. Accura	<u>ıcy:</u> 🗆 <	3 m, 🛛 3-5 m, 🗀] 5-15 m, □ > 15 m
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Send one v		6612-1367. Se	end one copy	to WATER WE	nt, Geology LL OWNE	Section, I		et, Ste. 420, Topeka, KS
r_{ij}	in Maryon, m	, 141 107 4.2		KSA	82a-1212			Revised 1/20/2015

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		S	ASING USE								
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