

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



State of Kansas

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.

1. Application is hereby made for approval of the Chief Engineer to change the

- Place of Use
Point of Diversion
Use Made of Water

(Check one or more)

Water Resources
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File No. 21,730 Circle KS Dept Of Agriculture

2. Name of applicant: City of Hays, Kansas and City of Russell, Kansas (See Section I.A. of the Cover Letter.)

Address: c/o Foulston Siefkin LLP, 1551 N. Waterfront Parkway, Suite 100

City, State and Zip: Wichita, Kansas 67206

Phone Number: (316) 291-9725 E-mail address: dtraster@foulston.com

What is your relationship to the water right; owner tenant agent other? If other, please explain.

Hays and Russell are co-owners of the authorized place of use on the R9 Ranch in Edwards County, Kansas

Name of water use correspondent: City of Hays, Kansas

Address: P.O. Box 490, 1507 Main Street

City, State and Zip: Hays, Kansas 67601

Phone Number: (785) 628-7320 E-mail address: tdougherty@haysusa.com

3. The change(s) proposed herein are desired for the following reasons (please be specific):

See Section I.B. of the accompanying Cover Letter which is incorporated by reference. The Cover Letter supersedes the June 25, 2015 Cover Letter that accompanied the original Change Applications.

The change(s) (was) (will be) completed by December 31, 2029.

(Date)

For Office Use Only:

F.O. GMD Meets K.A.R. 5-5-1 (YES / NO) Use Source G / S County By Date
Code Fee \$ TR # Receipt Date Check #

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
30	T25S	R19W							Lot 2 23	22	34	Lot 3 34.75	Lot 4 2	1					116.75

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

Owner of Land — NAME: City of Russell, Kansas

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			Same as above																

List any other water rights that cover this place of use. Same as above

(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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			See Attachment																

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

Owner of Land — NAME: City of Russell, Kansas

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

Sec.	Twp.	Range	NE¼				NW¼				SW¼				SE¼				TOTAL ACRES
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	
			See Attachment																

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

- 6. The presently authorized point(s) of diversion (is) (are) irrigation well(s) described in paragraphs 8, 9, and 10.
(Provide description and number of points)
- 7. The proposed point(s) of diversion (is) (are) a new municipal well described in paragraphs 8, 9, and/or 10 and in the Attachment.
(Provide description and number of points)

List all presently authorized point(s) of diversion:

8. **Presently authorized point of diversion:**
 One in the NW Quarter of the NE Quarter of the SW Quarter of Section 30, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 2,330 feet North 3,937 feet West of Southeast corner of section. Authorized Rate 795 gpm Authorized Quantity 176 a/f
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 One in the NW Quarter of the NE Quarter of the SW Quarter of Section 30, Township 25 South, Range 19 (E/W), in Edwards County, Kansas, 2,282 feet North 3,870 feet West of Southeast corner of section. Proposed Rate See Attachment Proposed Quantity See Attachment
 This point is: Additional Well Geo Center List other water rights that will use this point 21,731

9. **Presently authorized 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 of section. Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 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 of section. Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

10. **Presently authorized 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 of section. Authorized Rate _____ Authorized Quantity _____
 (DWR use only: Computer ID No. _____ GPS _____ feet North _____ feet West)
 This point will not be changed This point will be changed as follows:
Proposed point of diversion: (Complete only if change is requested)
 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 of section. Proposed Rate _____ Proposed Quantity _____
 This point is: Additional Well Geo Center List other water rights that will use this point _____

11. Describe the current condition of and future plans for any point(s) of diversion which will not be used. See the Attachment. Water Resources Received

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

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12. The presently authorized use of water is for irrigation purposes.

It is proposed that the use be changed to municipal purposes.

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

See the Attachment and the Master Order, Section III, Quantities for Municipal Use.

(Please show any calculations here.)

14. It is requested that the maximum annual quantity of water be reduced to See Attachment (acre-feet or million gallons).

15. It is requested that the maximum rate of diversion of water be reduced to See Attachment gallons per minute (____ c.f.s.).

16. The application must include either a topographic map or detailed plat. A U.S. Geological Survey Topographic Map, scale 1:24,000, is available through the Kansas Geological Survey, 1930 Constant Avenue, University of Kansas, Lawrence, Kansas 66047-3726 (www.usgs.gov). The map should show the location of the presently authorized point(s) of diversion. Distances North and West of the Southeast corner of the section must be shown. The presently authorized place of use should also be shown. Identify the center of the section, the section lines and the section corners and show the appropriate section, township, and range numbers on the map. In addition the following information must also be shown on the map.

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 Southeast corner of the section must be shown. Please be certain that the information shown on the map agrees with the information shown in Paragraph Nos. 9, 10 and 11 of the application.
- 2) If the source of supply is groundwater, please show the location of existing water wells of any kind, including domestic wells, within 1/2 mile of the proposed well or wells. Identify each well as to its use and furnish name and mailing address of the property owner or owners. If there are no wells within 1/2 mile, please indicate so on the map.
- 3) If the source of supply is surface water, the names and mailing addresses of all landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines must be shown.

b. If a change in the place of use is desired, show the proposed place of use by crosshatching on the map. Please be certain that the information shown on the map agrees with the information shown in Paragraph No. 5 of the application.

17. Attach documentation to show the change(s) proposed herein will not impair existing water rights and relates to the same local source of supply as to which the water right relates. This information may include statements, plats, geology reports, well logs, test hole logs, and other information as necessary information to show the above. Additional comments may be made below.

See the Master Order, Section II, Change in Beneficial Use; Section VI, Change in Places of Use; and Section VIII, Change in Points of Diversion.

18. If the proposed change(s) does not meet all applicable rules and regulations of the Kansas Water Appropriation Act, please identify the rules and regulations for which you request a waiver. State the reason why a waiver is needed and why the request should be granted. Attach documentation showing that granting the request will not impair existing water rights and will not prejudicially and unreasonably affect the public interest.

No waivers are required.

IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AS NECESSARY

Substitute Page

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 203.77 acre-feet at 795 gallons per minute from the well associated with this water right to be diverted from new Municipal Well "G," as shown on Exhibits J and K. When combined with existing wells from other water rights, new Municipal Well "G" would divert a cumulative total of 426.7 acre-feet at 1,870 gallons per minute.

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 "G" will be limited to 368.0 acre-feet per year for municipal use at a maximum rate of 1,040 gallons per minute with 176.0 acre-feet diverted from File 21,730 and the balance from File 21,731.

Attached as Exhibits I, J, K, P, and Q are maps that show the location of the currently authorized points of diversion, the proposed location of new Municipal Well "G," 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 Wells can be located without having to file a new change application.

As shown on Exhibit S, new Municipal Well G is less than 10% closer to the center line of the Arkansas River than the irrigation well and therefore complies with K.A.R. 5-5-13. As shown on Exhibit S, the irrigation well is 1,270 feet from the center line of the River and Well G is 1,255 feet from the center line of the River.

¹ See Exhibit L.

² See Exhibit M.

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

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 Exhibit R for the Well Plugging Record for the irrigation well authorized by File 21,730.

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 February 27, 1976, granting the applicant the right to divert up to 224 acre-feet annually at a rate of up to 1,250 gallons per minute for irrigation use³ on 117 acres in Section 30-T25S-R19W,⁴ or 1.92 acre-feet per acre. The Certificate limited the authorized rate to 795 gallons per minute.

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

The Field Inspection Report indicates that 269 acre-feet were applied to 117 acres during the year of record. Since the Permit authorized a maximum of 224 acre-feet, the entire quantity was perfected.⁶

While the Certificate limits the total quantity to 176 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.⁷

Since the perfection period has expired, the “authorized quantity” for this water right is the 224 acre-feet actually perfected even though it exceeds the certified quantity.

NIR for Alfalfa

The FIR states that alfalfa and wheat were grown on this circle during the year of record.⁸ 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 during the perfection period it is reasonable to use the NIR for alfalfa, which yields a total quantity of 203.77 acre-feet consumed. While this quantity is greater than the quantity set out in the Certificate, it is less than the 224 perfected acre-feet, the “maximum annual quantity authorized by the water right.”⁹

³ Permit, HAYS000767, Ex. A.

⁴ Application, HAYS000758, Ex. B.

⁵ February 27, 1976, letter (emphasis added), HAYS000766, Ex. C.

⁶ FIR, HAYS000746, Ex. D.

⁷ Certificate, HAYS000776, Ex. E; Larry M. Sheets Memo dated July 9, 1987, HAYS000771, Ex. F; and *Clawson v. Kansas Dept. of Agriculture, Div. of Water Resources*, 49 Kan. App. 2d 789, 315 P.3d 896 (2013).

⁸ FIR, HAYS000749, Ex. G.

⁹ See K.A.R. 5-5-9(a)(4).

See also, Exhibits N and O.

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 "G" will be limited to a maximum quantity of 368.0 acre-feet per year for municipal use with 176.0 acre-feet diverted from File 21,730 and the balance from File 21,731.

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 "G" will be limited to a maximum rate of 1,040 gallons per minute, 2.32 cubic feet per second.

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KS Dept Of Agriculture

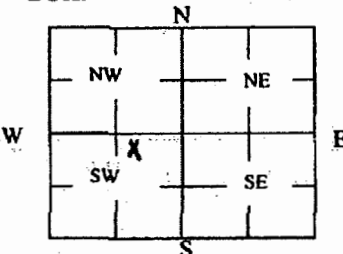
**EXHIBIT
R**

WATER WELL PLUGGING RECORD Form WWC-5P **KSA 82a-1212** **ID NO.** Well #1

1 LOCATION OF WATER WELL: County: Edwards	Fraction ¼ nw ¼ NE ¼ SW ¼	Section Number 30	Township Number T 25 S	Range Number 19 <input type="checkbox"/> E <input checked="" type="checkbox"/> W
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Street/Rural Address of Well Location; if unknown, distance & direction from nearest town or intersection: If at owner's address, check here <input type="checkbox"/> 4 1/2 South, 1 3/4 West of Kinsley	Global Positioning Systems (GPS) information: Latitude: 37.8466 (in decimal degrees) Longitude: 99.4555 (in decimal degrees) Elevation: Horizontal Datum: <input type="checkbox"/> WGS84, <input checked="" type="checkbox"/> NAD83, <input type="checkbox"/> NAD27 Collection Method: <input checked="" type="checkbox"/> GPS unit (Make/Model: _____) <input type="checkbox"/> Digital Map/Photo, <input type="checkbox"/> Topographic Map, <input type="checkbox"/> Land Survey Est. Accuracy: <input type="checkbox"/> <3 m, <input type="checkbox"/> 3-5 m, <input type="checkbox"/> 5-15 m, <input type="checkbox"/> >15 m
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2 WATER WELL OWNER: City of Hays RR#, St. Address, Box #: P.O. Box 56 City, State ZIP Code: Hays, KS 67601	
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3 MARK WELL'S LOCATION WITH AN "X" IN SECTION BOX: 	4 DEPTH OF WELL <u>57</u> ft. WELL'S STATIC WATER LEVEL <u>8</u> ft. WELL WAS USED AS: <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Domestic Irrigation</td> <td><input type="checkbox"/> Public Water Supply</td> <td><input type="checkbox"/> Dewatering</td> </tr> <tr> <td><input type="checkbox"/> Feedlot</td> <td><input type="checkbox"/> Oil Field Water Supply</td> <td><input type="checkbox"/> Monitoring</td> </tr> <tr> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> Domestic (Lawn & Garden)</td> <td><input type="checkbox"/> Injection Well</td> </tr> <tr> <td></td> <td><input type="checkbox"/> Air Conditioning</td> <td><input type="checkbox"/> Other _____</td> </tr> </table> Was a chemical/bacteriological sample submitted to Department? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Domestic Irrigation	<input type="checkbox"/> Public Water Supply	<input type="checkbox"/> Dewatering	<input type="checkbox"/> Feedlot	<input type="checkbox"/> Oil Field Water Supply	<input type="checkbox"/> Monitoring	<input type="checkbox"/> Industrial	<input type="checkbox"/> Domestic (Lawn & Garden)	<input type="checkbox"/> Injection Well		<input type="checkbox"/> Air Conditioning	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Domestic Irrigation	<input type="checkbox"/> Public Water Supply	<input type="checkbox"/> Dewatering											
<input type="checkbox"/> Feedlot	<input type="checkbox"/> Oil Field Water Supply	<input type="checkbox"/> Monitoring											
<input type="checkbox"/> Industrial	<input type="checkbox"/> Domestic (Lawn & Garden)	<input type="checkbox"/> Injection Well											
	<input type="checkbox"/> Air Conditioning	<input type="checkbox"/> Other _____											

5 TYPE OF BLANK CASING USED:

Steel RMP (SR) Wrought Fiberglass Other (Specify below) _____
 PVC ABS Asbestos-Cement Concrete Tile

Blank casing diameter 16 in. Was casing pulled? Yes No If yes, how much _____

Casing height above or below land surface 36 in.

6 GROUT PLUG MATERIAL: Neat cement Cement grout Bentonite Other _____

Grout Plug Intervals: From 8 ft. to 3 ft., From _____ ft. to _____ ft., From _____ ft. to _____ ft.

What is the nearest source of possible contamination:

<input type="checkbox"/> Septic tank	<input type="checkbox"/> Seepage pit	<input type="checkbox"/> Fuel storage	<input checked="" type="checkbox"/> Other (specify below)
<input type="checkbox"/> Sewer lines	<input type="checkbox"/> Pit privy	<input type="checkbox"/> Fertilizer storage	<input type="checkbox"/> None
<input type="checkbox"/> Watertight sewer lines	<input type="checkbox"/> Sewage lagoon	<input type="checkbox"/> Insecticide storage	
<input type="checkbox"/> Lateral lines	<input type="checkbox"/> Feedyard	<input type="checkbox"/> Abandoned water well	Direction from well? _____
<input type="checkbox"/> Cess pool	<input type="checkbox"/> Livestock pens	<input type="checkbox"/> Oil well/Gas well	How many feet? _____

FROM	TO	PLUGGING MATERIALS	FROM	TO	PLUGGING MATERIALS
57	8	Chlorinated gravel			
8	3	Cement grout			
3	0	Top soil			

7 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was plugged under my jurisdiction and was completed on (mo/day/year) 2-21-18 and this record is true to the best of my knowledge and belief. Kansas Water Well Contractor's License No. 134. This Water Well Record was completed on (mo/day/year) 2-28-18 under the business name of: Rosencrantz- Bemis Ent Inc by (signature) Tara A. Aagaard

Send one white copy to Kansas Department of Health & Environment, Geology Section, 1000 SW Jackson Street, Ste. 420, Topeka, KS 66612-1367. Send one copy to WATER WELL OWNER and retain one for your records.
 Visit us at <http://www.kdheks.gov/waterwell/index.html> Telephone 785-296-5524.

Legend

- Alluvial Aquifer Extent (KGS DASC)
- Arkansas River Centerline
- Distances to River Centerline
- 1242' Buffer from Arkansas River Centerline
- Proposed Areal Limits of Municipal Well Construction
- Water Right Consolidation Lines

EXHIBIT S

Alluvial Well Moving Less Than 10% Closer to River

21730G

1255'

1270'

Alluvial Well Moving Less Than 10% Closer to River

1380'

21731

1200'

21731

Alluvial Well Moving Away From River

- R9 Ranch Irrigation Wells
- Proposed Municipal Well Locations
- R9 Ranch Property Boundary
- PLSS - Sections



Figure 2
Conceptual Well Site G
R9 Ranch
Analysis of Alluvial Aquifer Extent & Well Proximity to Arkansas River

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