NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

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 TERM PERMIT

 □ GROUNDWATER ☐ SURFACE WATER (check one)



STATUTORY FILING FEE MUST ACCOMPANY THIS APPLICATION (Make check payable to the Kansas Department of Agriculture)

1.	Applicant: (Please print or type) Name Mid-Continent Fractionation & Storage, LLC Street 839 Kiowa Road City and State McPherson, KS Zip Code 67460 Telephone No. (602) 834-2178 E-Mail Address erik.peterson@williams.com Social Security I.D. No	4. Water is to be used for (briefly describe proposed use and explain the rate and quantity requested): Chloride remediation project, see cover letter and supporting information 5. Location of place of use: Primary beneficial use is chloride remediation Secondary beneficial use for industrial use possible at Conway facilities 6. Period of use: Commencing date: 10/31/2021
2	Location of Point of Diversion:	Ending Date:10/31/2041 Also enter on Item 12
2.	Sec. 27 , Twp. 19S , Rng. 4W , (E/W), McPherson County, Kansas.	If off-stream pit, check here □. Will pit floor intersect water table? Yes □ No □
	Distance from Southeast Corner of Section:	7. Location of the proposed point of diversion and those of other water users within ½ mile shall be indicated on the diagram to the lower-left, scale 1 inch = 2,000 feet. If surface water, indicate on the diagram the course of the stream, and its name. List other D.W.R. permit numbers that cover the requested point(s) of diversion or place of use here:
3	approximate geographic center. Water Use Data:	See attached maps
Ο.		EEE SCHEDIII E
	Proposed Max. Pumping Rate (gpm)300 Amount Requested (acre-feet)484 AF	FEE SCHEDULE 1. The filing fee for an application is based on the maximum amount of water use proposed within a year. Except for storage, the fee is: Acre-feet Fee 0-100 \$200.00 101-320 \$300.00 More than 320 \$300.00 plus \$20 for each additional 100 acre-feet or any part thereof. 2. The fee for an application in which storage is requested, is: 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. A request for an extension of time to extend the term of a term permit shall be accompanied by a fee of \$100.00. 4. There is a separate application form for domestic use. Do not use this form for domestic use.
	N SE	CONVERSION FACTORS 1 acre-foot equals 325,851 gallons 1 million gallons equal 3.07 acre-feet

For Office Use			CON	MP	BMM	8/24/21
F.O GN	ND Meets K.A.R	. 5-3-1 (YES / NO) Use _	Source	G/S County	ByDa	te
Code	TR3	Fee \$ ST	R#	Receipt Date 1	Check #	to272

Assisted by

8.			list below all wells within ace is needed, attach a ma		ne propos	sed well, and plot locations	upon the diagra	m on reverse
	Other we	ells –	esta por parte estas el per cercer el 🗣 de notes en el m					
	Well A	Owner(s):	See attached maps					
		Address:						
	Well B							
9.	For surfa	ce water use am of the tra	e, list below the names an	d addresses point of dive	of all lar	ndowners from a point ½ mocated. If additional space	ile upstream to a is needed, attac	point ½ mile h sheet.
	Tract A	Owner(s): Address:						
	Tract B							
10	. The own Donell	er of the poir I Schrag, 13	nt of diversion, if other than 41 10th Ave, McPherson	n, KS, 67460	0; Gary (Oswald, 980 Highway 56,	, McPherson, KS	5, 67460
				(name, addres				
	authori	zed represer	evidence of legal access to ntative. Provide a copy of ny sign the following sworr	a recorded	of, the p deed, lea	point of diversion from the se, easement or other doc	landowner or the ument with this a	pplication. In
		I have legal	access to, or control of, th	ne point of d	iversion	described in this applicatio	n from the lando	wner or the
	landowner's authorized representative. I declare under penalty of perjury that the foregoing is true and correct. Executed onAugust 20_, 2021Applicant's signature.							
		Executed on	August	<u>20</u> , 20 <u>21 </u>		Applicant's Si	gnature	/-III-Fact
	The ap	ete this portic	provide the required infor on of the application will c	mation or signation or signation or signature.	gnature i unacce	rrespective of whether they otable for filing and the app	are the landown	<u>er.</u> Failure to eturned to the
11	. The appl	icant states t	hat the information set he	reon is true	and accu	rate to the best of his/her k	nowledge.	
12	agrees t	hat this app I date to be o	ropriation right may be	dismissed a 041	and term	r of abandonment of this a inated upon completion o _ or within any extension o culture.	of the proposed	project, said
13	The appl	licant agrees impaired by t	to provide water to near he project proposed by th	by water us is applicatio	ers, at n n.	o charge to said users, sh	nould their rights	to use water
14			rson (in event emergency		eeded):			
	Name: E	rik Petersor	1			Telephone No. (620) 83	34-2178	
					We 11	Wesolu)		08-20-2021
N 4"		Signature of A		or	070	Authorized Representative Attorney-in-Fact		Date
IVIIC		nt Fractiona pplicant's Nan	ation & Storage, LLC			Title		
	^	ppiicant 5 Man		OT WDITE	BELO	W THIS LINE		
	CONDITIO	ONS OF APP		IOI WKIIL	BLLO	W IIIIS LINL		
	The application be readily	cant shall mai determined.	ntain accurate and complete Accurate and complete rec	ords shall be	furnished	he quantity of water diverted to the Chief Engineer by M s. shall cause the applicant to	arch 1 following th	ne end of each

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.

The Chief Engineer specifically retains jurisdiction in this matter with authority to make such reasonable reductions in the approved rate of diversion and quantity authorized, and such changes in other terms, conditions, and limitation set forth in this approval and permit to proceed as may be deemed to be in the public interest.



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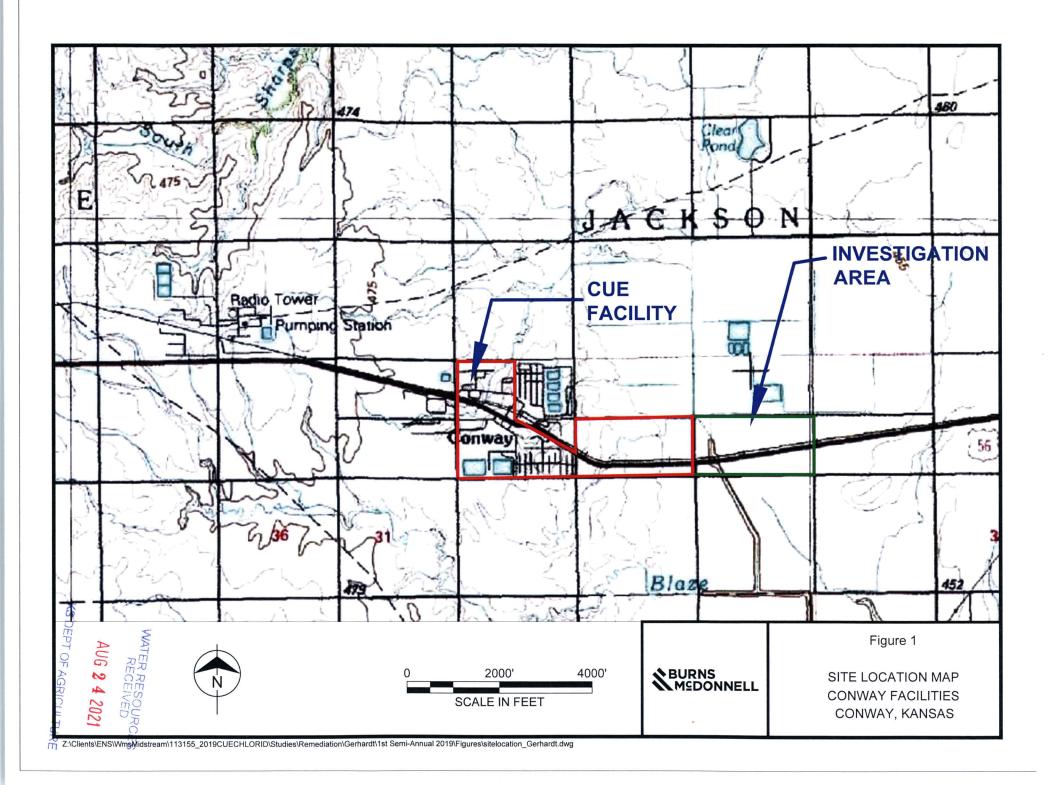
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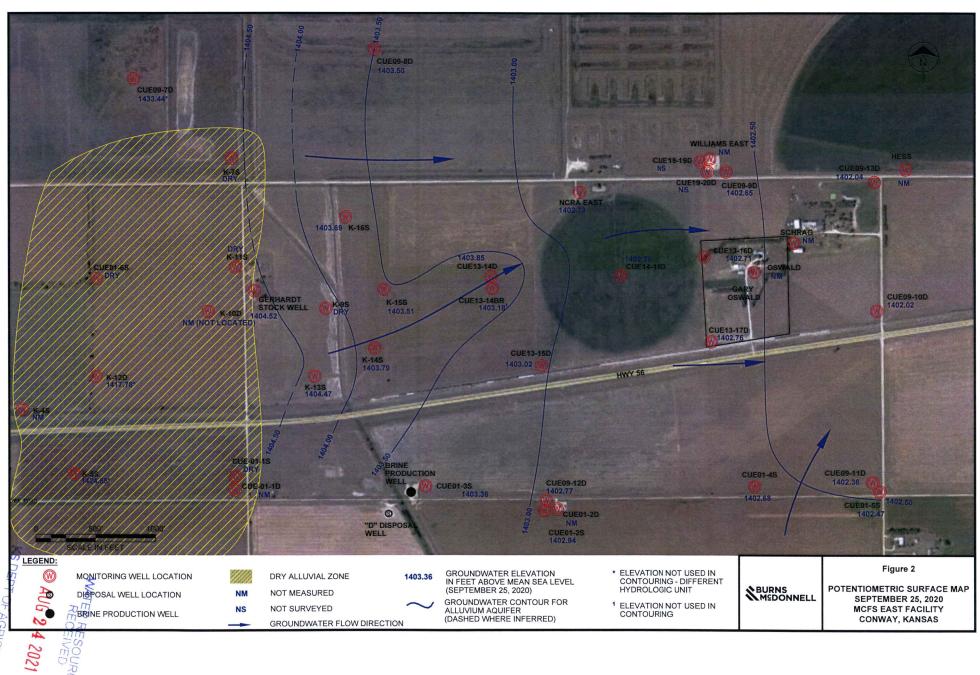
ATTACHMENT B - Figures

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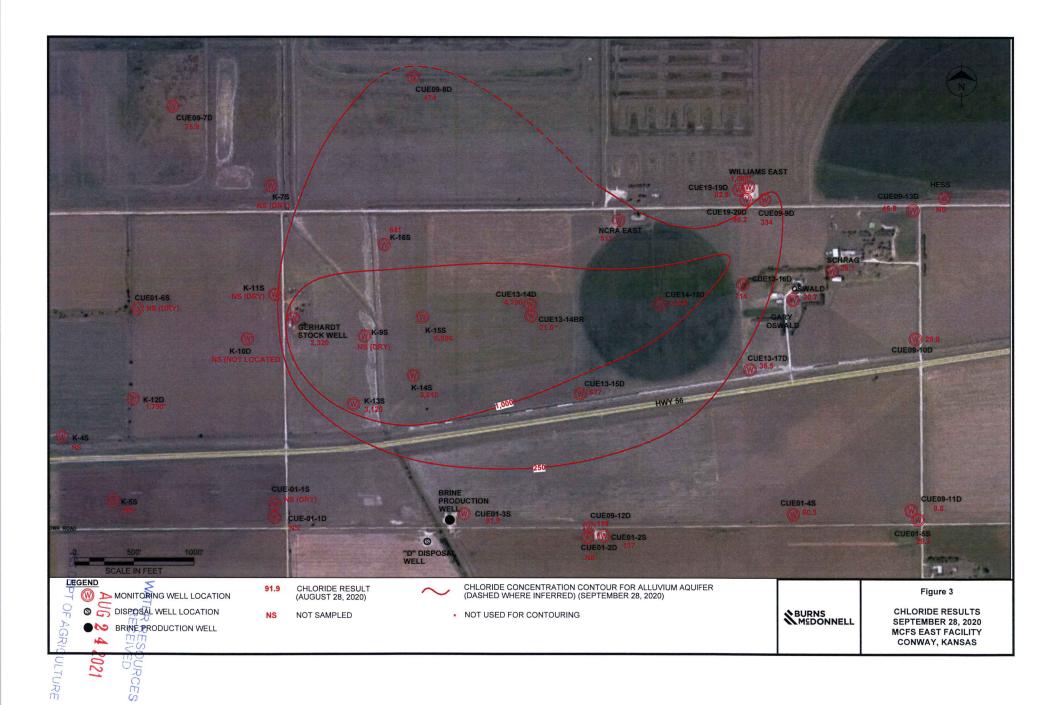
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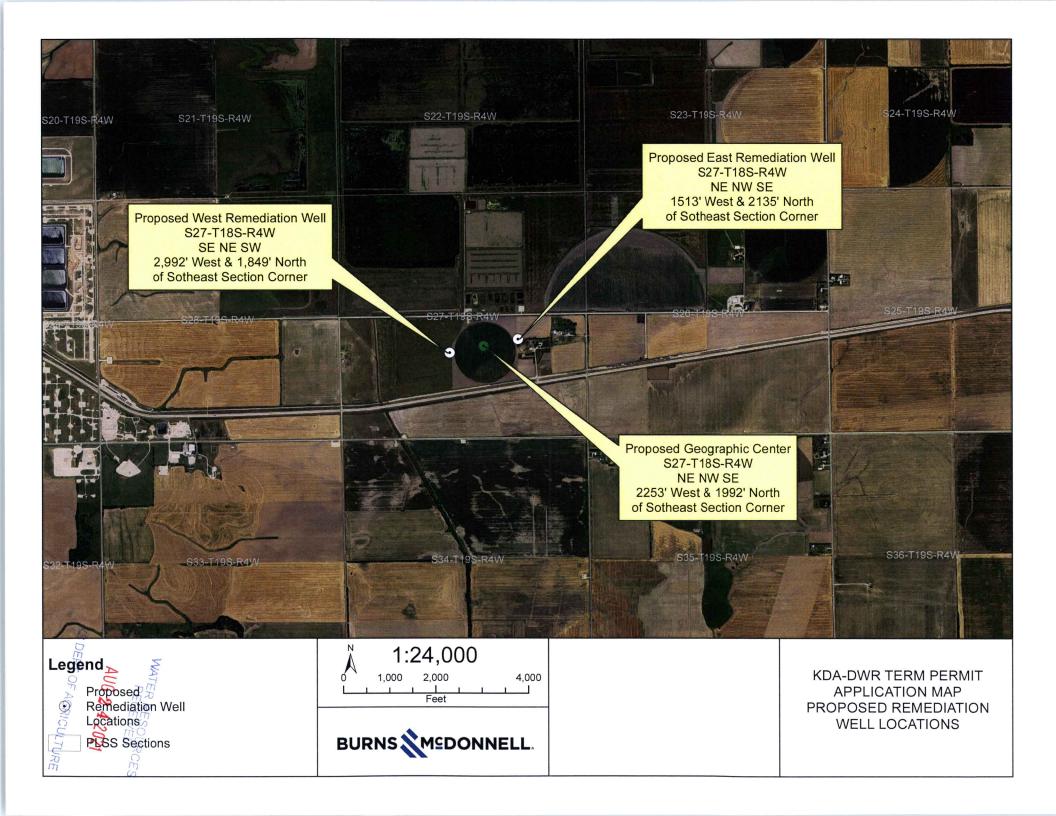
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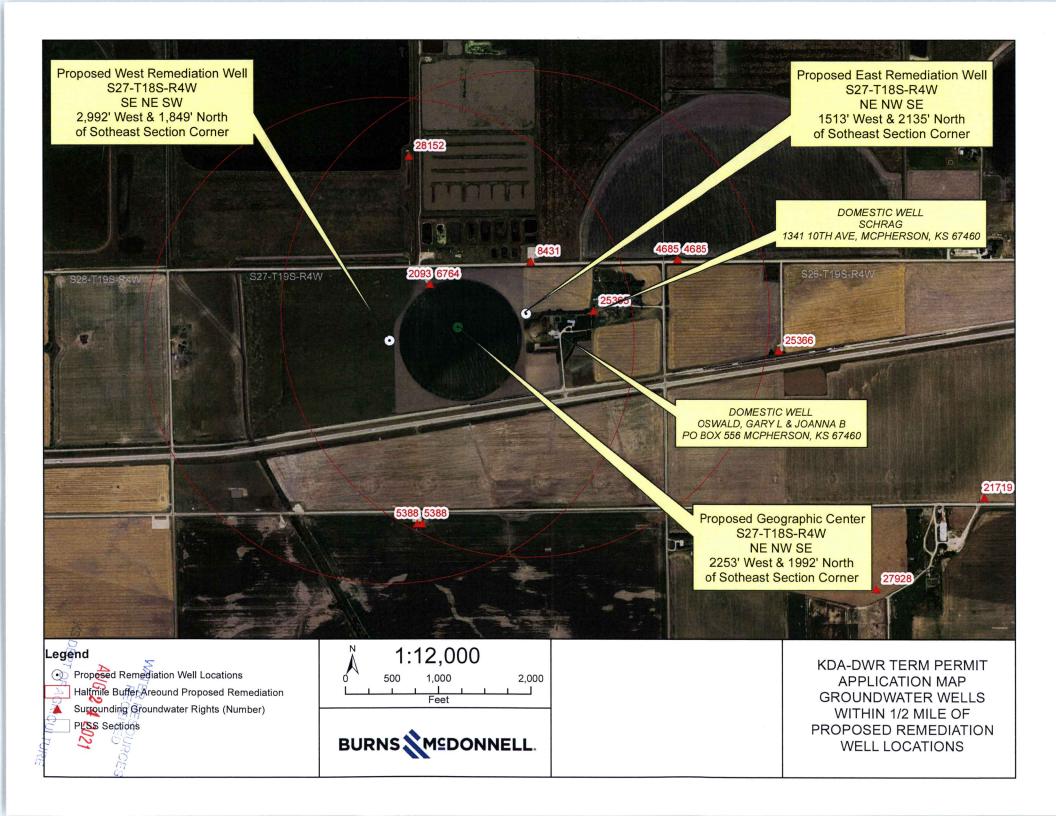


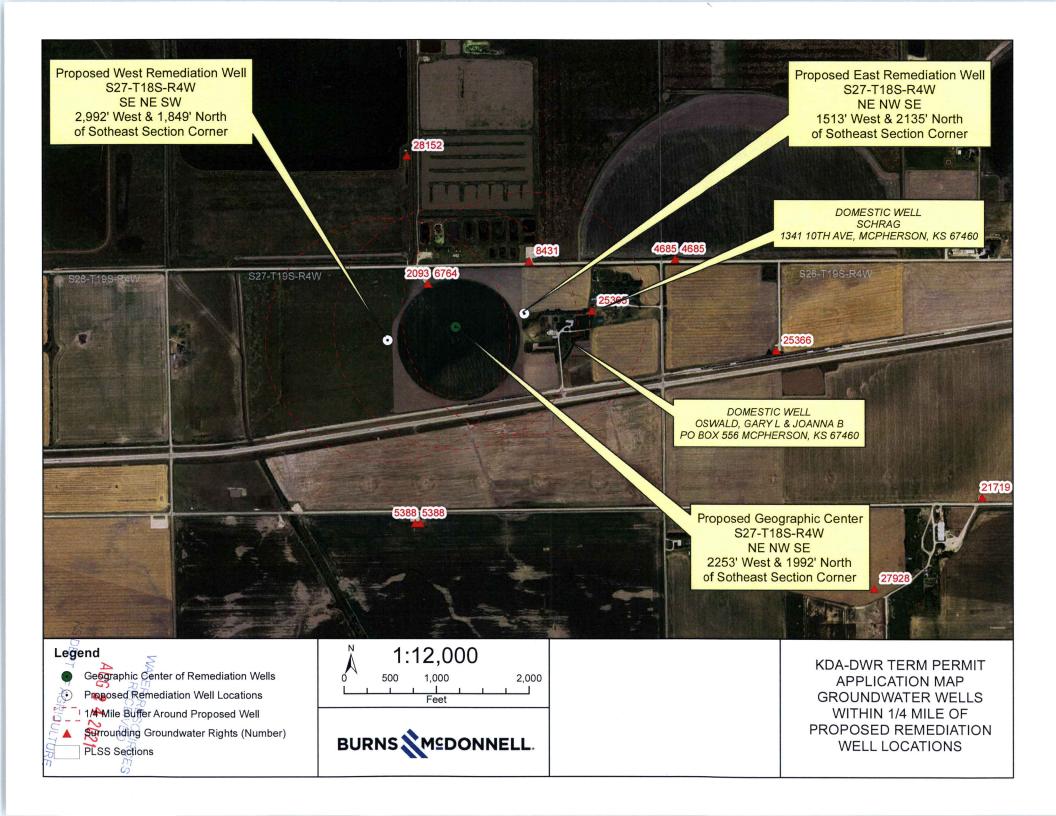
ATTACHMENT C – Term Permit Application Maps

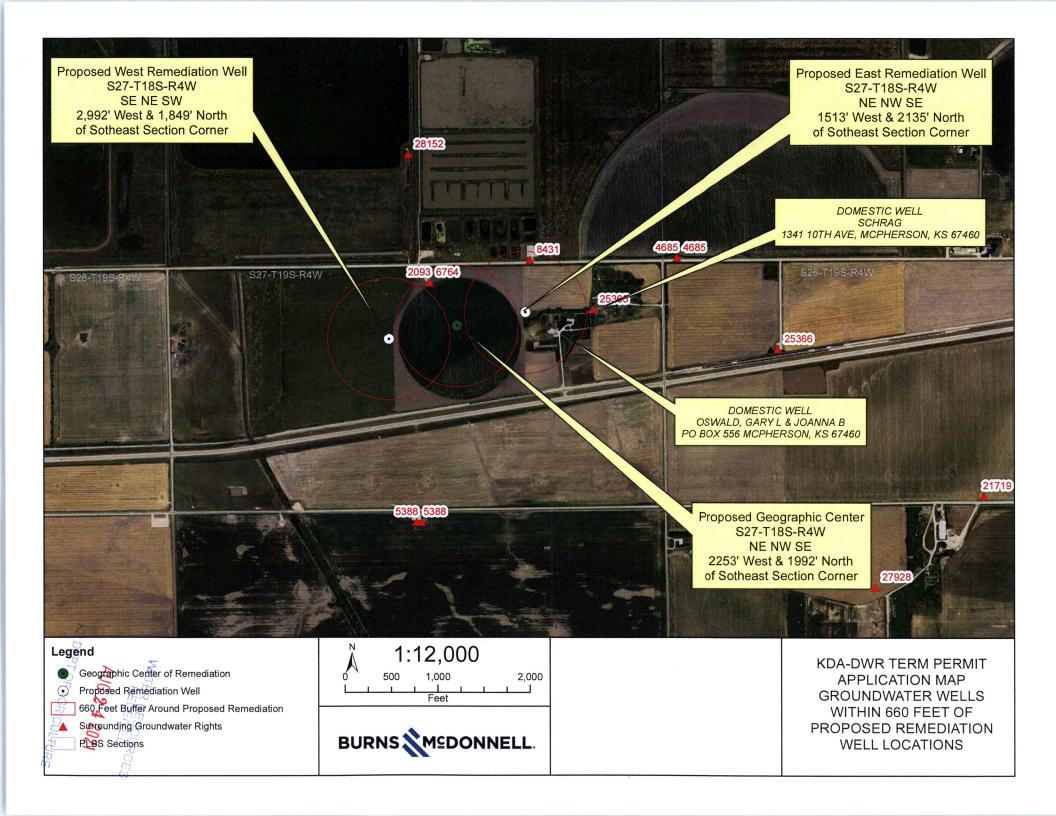
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ATTACHMENT D – Well Spacing Consent Forms

WATER RESOURCE

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DOMESTIC WATER WELL OWNER WATER WELL SPACING CONSENT FORM

K.A.R. 5-22-2(e)(4)

I, Cary Oscard d Name Domestic Water Well Owner		, residing at	980 Highway 56
Name Domestic Water Well Owner	Vanaga	67460	Address
McPherson , _	State	Postal Code	Address 620 - 242 - 432), own a Telephone
water well located at the above addr said water well was drilled and const	ress to sup	ply water for my	domestic needs and use. That
understand and acknowledge that			Storage, LLC has filed for a
understand and acknowledge that _ Term Permit to withdraw groundwater	r for non-do	mestic heneficia	l use
Tomit to wandan groundwater	TOT HOTT ON	orneone beneficia	. 400.
That the application described the la	antinu at a		
That the application described the lo battery in the NE 1/4 NW 1/4 Range 4W West, McPhersor acre-feet per year at 300 gallo	cation of a SE_1/4 Cou ons per min	proposed non-di l of Section <u>2</u> Inty, and will allo lute for <u>Reme</u>	omestic water well or water well of water well of Township 198 South, with the withdrawal of 484 AF diation use.
The applicant has informed me that is within the minimum required spaci well.			가는 가는 사람들은 사람들이 가장 하는 것이 되었다. 그런 사람들은 사람들은 사람들이 다른 사람들이 다른 사람들이 다른 사람들이 다른 사람들이 다른 사람들이 다른 사람들이 되었다.
Having full knowledge of the above a with the Chief Engineer, Division of \or well battery less than the minimum	Water Research	ources, I grant m spacing interval fi	y permission to locate said well rom my domestic well.
Dated at June 24, 2021 . Oswald Residence	Kansas, th	is 24th day of _	June 20 21.
Witnessed by: <u>Educations</u> En	ik Petern	m (Williams)	
839 Kiowa Road	1 McPhei	ron, K5 67460	٥
Telephone: 785-826-7998			WATER

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H:\(\text{MSOFFICE\LETTERS\Forms\text{NOmestic consent form.DOC}\)
\(\text{Title: \cdot \text{12.5 i.i.}}\)

DOMESTIC WATER WELL OWNER WATER WELL SPACING CONSENT FORM

K.A.R. 5-22-2(e)(4)

1 Donell Schrus	ro	siding at	1341 10th Ave	
	, 10		1341 10th Ave Address	,
McPherson ,	Kansas ,	67460 ,	Telephone	_, own a
•			**************************************	Luca That
water well located at the above add said water well was drilled and cons				use. That
I understand and acknowledge that _ Term Permit to withdraw groundwate	MidContinent F er for non-dome	Fractionation & estic beneficia	Storage LLC has file I use.	ed for a
That the application described the lobattery in the NE 1/4 NW 1/4 Range 4W West, McPherso acre-feet per year at 300 gallo	4 SE 1/4 of County	Section 2, and will allow	7 , Township 19 w the withdrawal of	S South,
The applicant has informed me that is within the minimum required spacewell.				
Having full knowledge of the above with the Chief Engineer, Division of or well battery less than the minimur	Water Resour	ces, I grant m	y permission to local	te said well
Dated at McPherson,	Kansas, this	لل day of _	June	20 <u>2/</u> .
	Signed by: <u></u>	'lell	omestic Well Owner	
Witnessed by Livid Solin				
Address: 1341 10+4 14	Y			
MiPherson, K	167460			WATER RES
Telephone: <u>620-755-667</u>	73			AUG 2 4 2021
			Ks	706 2 4 2021
	Н	-MSOFFICEVETT	Created on 01/11 ERS\Forms\^Domestic_cons	
	, ,		word string, tropicatio tolic	File: 112.511

NON-DOMESTIC WATER WELL OWNER

WELL SPACING CONSENT FORM

,	CHS	, resi	ding at	2000 S. Maii	n St,
	Owner or Authorized Representative		67460	Address)E4
MC	Pherson ,		Postal Code	, <u>620-241-92</u> Telephon	
am the authonumber20	orized representative fo	or a non-domesti	c groundwa	ater well authori	zed by water right
	and acknowledge that on withdraw groundwate				has filed for a
	•				
That the appoattery in the Range 4W acre-feet per	West, McPherson	4 SE 1/4 of	Section and will all	27, Townshi ow the withdray	ip <u>19S</u> South,
within the mi	t has informed me that nimum required spacin 2093 & 6764				
with the Chie	nowledge of the above of Engineer, Division of y less than the minimu	Water Resource	es, I grant i	my permission t	
Dated at	McPherson	, Kansas, this 24	day of	June	20 <u>21</u>
		Signed by:	Bui	Jorn	<u></u>
Vitnessed by	Mars H	/			
\ddress:	2000 S. Main	St			
	McPherson, KS	67460			
Telephone: _	620-241-929	93			WATER
					WATER RESOURCE RECEIVED AUG 2 4 2021 KS DEPT OF AGRICULTURE
					KS DEPT 4 2021
					OF AGRICULTI.
					URE

NON-DOMESTIC WATER WELL OWNER

WELL SPACING CONSENT FORM

١, _	Maxine	Schru	9	residing at	1341 10 A	venue.
	Maxine Owner or Authorize McPlerson City	ed Representative	KS.	67460	Address .	, own or
	City	·	State	Postal Code	Telephone	OWIT OF
ar nu	n the authorized represumber25365	sentative for a	a non-dom	nestic groundwa	iter well authorize	d by water right
l ur Ter	nderstand and acknowl m Permit to withdraw (ledge that <u>M</u> groundwater f	lid-Contine for non-do	nt Fractionation & mestic benefici	& Storage, LLC hall hall hall hall hall hall hall hal	as filed for a
ha	at the application desc ttery in the <u>NE</u> 1/4 inge <u>4W</u> West, re-feet per year at	1 NW 1/4	SE 1/4	of Section	27 Townshin	19S South
wit	e applicant has inform thin the minimum requi mber25365					
wit	ving full knowledge of h the Chief Engineer, well battery less than t	Division of W	ater Reso	ources, I grant r	ny permission to	
Da	ted at Moundrud	<i>رود)</i> , K S	ansas, thi	s <u>25^{HL}</u> day of	Jene 1. Mrs Sch	20 <u>_2/</u> .
Wit	tnessed by:	· Secl				
Ad	tnessed by: North					
	Mounders					
Tel	ephone: <u>620-349</u>	•				WATER

SPECIAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS that MID-CONTINENT FRACTIONATION AND STORAGE, LLC a Delaware limited liability company ("Company") does hereby constitute and appoint Jeff Weagley as agent and attorney-in-fact ("Attorney-in-Fact") for and on behalf of the Company and for the sole and exclusive benefit of the Company and not on behalf of any other person, corporation or association, in whole or in part, to enter into, execute, deliver, and file and accept instruments, documents, or applications (collectively "Documents") that pertain to real property rights or interests necessary to effectuate the land acquisition and lease activities and purposes of the Company including, but not limited to Documents that:

- settle land-related claims by or against MID-CONTINENT FRACTIONATION AND STORAGE, LLC;
- enter into, modify or relinquish easements, rights-of-way, leases, franchises, licenses, permits, or other interests in land;
- allow encroachments onto easements and rights-of-way;
- subordinate easements, rights-of way, or mortgage rights;
- relate to the installation, modification and relocation of facilities;
- provide for the purchase or sale of, or option to purchase or sell, real property or facilities:
- provide for the rental, lease, or occupancy of real property; and
- acquire utility services

containing such terms and conditions as said Attorney-in-Fact shall deem proper and advisable, giving and granting unto said Attorney-in-Fact full and complete power and authority to do and perform any and all acts and things as may be necessary and proper. Any amounts to be paid under the Documents will be approved and paid in accordance with the Williams Delegation of Authority.

Each and every act, matter and thing which shall be given, made and done by the said Attorney-in-Fact in connection with the exercise of any or all of the aforesaid powers shall be as good, valid and effectual to all intents and purposes as if the same had been given, made and done by Company.

This appointment of authority shall continue in full force and effect from June 28, 2021 until revoked by an instrument in writing; until the Attorney-in-Fact is no longer employed by the Company or by any other Williams Companies, Inc. entity; or until December 31, 2023. The execution of this appointment shall terminate and void any and all previously granted powers of attorney granted to the Attorney-in-Fact for this Company. The Company may have multiple Representatives at any given time acting as attorneys-in-fact with authority to execute Documents concerning the same items listed herein. A "Representative" shall be any employee or agent of Company acting under an existing power of attorney with the authority to execute the Documents listed herein. The powers of authority conferred to Attorney-in-Fact do not include the power to revoke any Document executed on behalf of Company by a Representative without the Representative's authorization.

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Not by way of limitation, but by way of confirmation, the powers of authority conferred shall extend to and include any and all of the instruments and/or acts above described which may

pertain to lands of the United States of America, or to be acquired by the United States of America, lands of any state, lands of any fee owner, and tribal or allotted Indian lands.

IN WITNESS WHEREOF, the undersigned has executed this Special Power of Attorney, as of this 28th day of June, 2021.

> MID-CONTINENT FRACTIONATION AND STORAGE, LLC

Printed Name: Chad A. Teply

Title: Senior Vice President

ACKNOWLEDGMENT

STATE OF OKLAHOMA)
) §
COUNTY OF TULSA)

BEFORE ME, the undersigned authority, a Notary Public in and for said County and State, on this day personally appeared Chad A. Teply, personally known to me to be a Senior Vice President of MID-CONTINENT FRACTIONATION AND STORAGE, LLC, who acknowledged to me that he has executed the above SPECIAL POWER OF ATTORNEY.

WHEREOF, I have hereunto set my hand and affixed my notarial seal, this

Valerie Collignon, NOTARY PUBLIC

SEAL

NOTARY: #15006686

MY COMMISSION EXPIRES: 7/20/2023

Version Jan. 2021



August 20, 2021

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CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502

Application for Term Permit for Mid-Continent Fractionation & Storage, LLC Conway Underground East Storage Facility KDHE Consent Order Case No. 94-E-0201/KDHE ISL C5-059-00050

Dear Chief Engineer:

On behalf of Mid-Continent Fractionation & Storage, LLC (MCFS), Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) is submitting the enclosed Term Permit application (Attachment A) to allow for the pumping of groundwater to remediate chlorides associated with the Gerhardt Well subsite at the Conway Underground East (CUE) Storage Facility (Site). This proposed remediation project is a continuation of work conducted at the Gerhardt Well subsite during the past several years under the existing Kansas Department of Health & Environment (KDHE) Consent Order No. 94-E-0201, dated December 19, 1994. The CUE Facility is used for the underground storage of natural gas liquids (NGLs), including propane, butane, normal butane, isobutane, natural gasoline (14-pound gas), and propylene. The CUE facility and adjacent properties have been used for underground NGL storage since the early 1950's, under a succession of companies. The facility was purchased from Koch Underground Storage Company (Koch) and began operations on April 1, 1999.

The Site is in a rural, sparsely populated portion of McPherson County, approximately 6 miles west of McPherson, Kansas. The general geographic description for the CUE facility is Sections 28, 29, and the eastern half of Section 30 of Township 19 South, Range 4 West (see Attachment B, Figure 1). Topography in the area slopes gently to the east. The geologic formations in the Gerhardt Well subsite area include the Pleistocene age alluvial deposits of the McPherson Formation and bedrock units of the Permian-age Ninnescah Shale and Wellington Formation. The geologic materials within the Gerhardt Well subsite area generally consist of 40 to 80 feet of clay and silty clay which overlie roughly 25 to 55 feet of sand and gravel which comprise the aquifer materials in the area. Depth to bedrock below ground surface (bgs) generally ranges from 30 to 130 bgs. The bedrock is generally comprised of gray laminated shale that is assumed to act as an aquitard. Depth to bedrock is shallower in the western extent of the area such that the aquifer becomes much thinner or absent in western portions of the area.

Previous groundwater level monitoring and studies indicate that groundwater flow is generally to the east or northeast. A potentiometric surface map for the shallow alluvial aquifer based on



Chief Engineer August 20, 2021 Page 2

water levels measured on September 25, 2020, is included as Figure 2 in Attachment B. A chloride groundwater plume extends from 9th Avenue in the general area of the Gerhardt Stock Well to the east towards 10th Avenue in the general area of the Oswald and Schrag residents. A depiction of the extents of the chloride plume based on chloride concentrations for samples collected on September 28, 2020, is included as Figure 3 in Attachment B.

Recent chloride concentration trends suggest that the plume will continue to migrate to the east and threatens to adversely impact downgradient residential and irrigation wells. The Proposed Remediation Well Locations map included in Attachment C shows the location of two proposed remediation wells that are located to capture the plume before it migrates further east along with the proposed geographic center for the project. Groundwater pumped from the proposed extraction wells would be piped to the MCFS facility for secondary beneficial uses such as fresh process water in the facilities pond system and cavern washing. The primary objective of the remediation is to be protective of downgradient groundwater resources and the secondary objective is to over time restore the aquifer by reducing chloride concentrations to levels protective of domestic use (e.g., secondary maximum contaminant level of 250 milligram per liter).

MCFS is requesting one term permit be issued for the proposed remediation project based on the geographic center of the project. Maps showing the groundwater wells and water rights located within a ½ mile and ¼ mile radius of the proposed project are included in Attachment C along with a map showing domestic wells located within 660 feet of the proposed remediation wells. MCFS has been in frequent communication with the well owners within ¼ mile of the site and has obtained both Domestic Water Well Owner Well Spacing Consent Forms for wells within 660 feet (Oswald and Schrag) in accordance with Kansas Administrative Regulations (K.A.R.) 5-22-2. MCFS has obtained Non-Domestic Water Well Owner Water Well Spacing Consent Forms for wells within 1,320 feet authorized by water rights #2093 & #6764 (CHS) and #25365 (Schrag) in consideration of Division of Water Resources providing a waiver of the 1,320 feet spacing requirement in K.A.R. 5-22-2. The Well Spacing consent forms are included as Attachment D.

It is our understanding that the proposed remediation project is located within the McPherson Intensive Groundwater Use Control Area (IGUCA) which is closed to traditional new water right appropriation applications. MCFS maintains several wells and water rights in the vicinity which may be used to offset the quantity of water requested in this Term Permit Application.

MCFS requests that the review and approval of the Term Permit Application be expedited to the extent possible. Installation and operation of the proposed remediation system project is dependent upon the review and approval of this term permit application and issuance of the requested Term Permit. An extended permitting timeline or delay risk further migration of the

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Chief Engineer August 20, 2021 Page 3

chloride plume downgradient and outside of the feasible zone of capture by the proposed remediation wells. Therefore, expedited processing of the Term Permit application is in the best interest of the public and project stakeholders.

If you have any questions regarding this project, please do not hesitate to contact me at (816) 839-9526.

Sincerely,

Stephen R. Hoffine Project Manager

Attachment A – Term Permit Application

Attachment B – Figures

Attachment C – Term Permit Application Maps

Attachment D – Well Spacing Consent Forms

cc: Ms. Carrie Ridley, KDHE BOW

Mr. Erik Peterson, MCFS

Mr. Randy Heinrichs, MCFS

Mr. Aaron Galer, MCFS

ATTACHMENT A – Term Permit Application

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