In The Matter Of:

State of Kansas - Division of Water Resources Kansas Department of Agriculture

City of Wichita's Phase II - Public Hearing December 13, 2019

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                   STATE OF KANSAS
       BEFORE THE DIVISION OF WATER RESOURCES
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           KANSAS DEPARTMENT OF AGRICULTURE
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    In the Matter of the
    City of Wichita's Phase II )
    Aquifer Storage and )
Recovery Project in Harvey )
7
                                     Case Number
                                     18 WATER 14014
    And Sedgwick Counties,
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    Kansas.
9
    Pursuant to K.S.A. 81a-1901
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    and K.A.R. 5-14-3a.
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                      PUBLIC HEARING
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              This matter came on for Public Hearing
18
    before the Honorable Presiding Officer Constance
    C. Owen for the Division of Water Resources of
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20
    the State of Kansas, at Halstead, Kansas, before
21
    Rachelle Smith, a Certified Shorthand Reporter
22
    of Kansas, on December 13, 2019, at 9:01 a.m.
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1	APPEARANCES	
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3	Various members of the general public	
4	were in attendance.	
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5 1 PROCEEDINGS 2 3 THE HEARING OFFICER: Good morning, 4 everyone. Welcome. Thank you for coming. Μy 5 name is Connie Owen and I am the presiding 6 officer for the City of Wichita's request to 7 modify their aquifer storage and recovery 8 project, Phase 2 permits. This is the informal 9 public comment period, and I am very happy to see all of you here. I want to hear what each 10 11 one of you has to say. I will give you a little bit of update 12 13 and tell you a little bit about how this will go 14 this morning. We are on the record. We have a 15 court reporter here who is recording your 16 comments, because I take notes but my notes aren't perfect. So this will allow me to review 17 18 your comments very carefully later when I am 19 preparing my decision. 20 Today's date, for the record, is 21 December 13, 2019. And it's about five after 22 nine o'clock in the morning. 2.3 If you have previously submitted 24 written comments then those are already in the 25 record, and I will carefully consider those.

6 You are welcome to resubmit, but you don't have 1 2 If you would also like to submit written comments, please do so, and there are directions 3 4 for how to do that on the Division of Water 5 Resource's website. You can do that by regular 6 postal mail or by E-mail. Or if you want to 7 leave some here today, that's okay, too. As some of you may know, the first part 8 9 of this week, Tuesday, Wednesday and Thursday we conducted the beginning of the formal phase of 10 11 the hearing where the parties and the attorneys present their information. We did not get 12 So that has been continued to a date 13 finished. So that didn't finish and 14 to be determined. 15 we'll have to finish that up at a later date. But I definitely wanted to keep this date this 16 17 morning for your comments. And seeing all of 18 you here I am very glad I did. 19 I am going to call out names, just to 20 make it simple in the order of the sign up 21

make it simple in the order of the sign up sheet. If you just came to listen and you don't want to speak, just wave me off. And that's fine. I will go to the next name.

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When you come up to speak please come to the mic here at the front at the podium and

7 1 carefully speak your name. Our court reporter 2 might need you to spell it. And please say your 3 address. Are there any questions about how this 4 5 is going to go before we get started? 6 No. Great. 7 The first name on the list is Brad 8 Banz. 9 Brad Banz, B-R-A-D, B-A-N-Z. MR. BANZ: I live at 609 Union Park Circle in Colwich, 10 11 67030. 12 THE HEARING OFFICER: Please go ahead. 13 MR. BANZ: So I have some land, I have an 80 and it is in Section 27, township 23, 14 15 range 4 West, and that's in Reno County. And 16 that's roughly along U.S. 50 west of Burrton. 17 So I have also, I live in, as I said, I live in 18 Colwich so I served the City of Colwich for 35 19 years as a firefighter and fire chief there. So 20 I think I can probably speak for the city there. 21 We have two wells, city wells and we have rights 22 for another one. So, you know, we are looking 2.3 with nervous anticipation what's going to go on 24 in this hearing today. 25 So going back to the well on my

property, my uncle, Edmond C. Banz, drilled that irrigation well back in 1986. And when he did so, looking at the water well records then, the static water level at that point in time was six feet. Last year we had to go back in and recase the well. The water well drilling firm that did this they measured that, I was out there when they did that, the static level at that time was 20 feet. So that's a significant drop in the levels.

Now, I took over in 2007, I inherited the ground in 2007. So I am on the learning curve, I am a layperson. I don't know if this has any engineering basis or not, but I would say from a lay person's standpoint that that would be a significant drop in the surface water level. And to me that would equate to a lowering of the water level in the Equus Beds.

So also talking to the drillers from this particular water well drilling company, they said that they have been out in an area south of Hutchinson and they have had to go in and drill several other wells, deepening the level of these wells because of the lowering of the level in the Equus Beds.

So based on the information that I have seen, and from my own experience, and from listening to the water well driller, I would like to make the following requests to the hearing officer. And that is, number one, that the City of Wichita be allowed to draw out only water credited to it that the City has injected in, plus, you know, of course whatever they have the rights to. And basically what I am saying is, do not give the City of Wichita extra water credits in the Equus Beds for water that it is directly pumping from the Little Arkansas River to Wichita.

Number two, that the board make the most conservative ruling concerning pumping below the 1993 levels and keep the pumping level at the same levels. Don't allow the City to go any deeper.

And number three, if the hearing officer decides to take other action, other than keeping the pumping level as is, that they or the chief, you, yourself, or the chief engineer, name an independent third party engineering firm to study further to determine a safe level to which the level can be pumped. The City of

Wichita would agree to pay for all expenses to do this.

And finally, my closing statement, I would like to encourage the hearing officer not to take any drastic actions until a reasonable solution can be reached. Just to look at what has happened in the Ogallala aquifer it has been grossly mismanaged to the point of no return and I don't want to see the same thing happen in the Equus Beds. Thank you.

THE HEARING OFFICER: Thank you, sir.

Next name is Jeff Lanterman.

MR. LANTERMAN: Nothing from me.

THE HEARING OFFICER: Beth Vannatta.

MS. VANNATTA: Vannatta, it wasn't the name I was born with. Spell it V-A-N-N-A-T-T-A and I live at 14001 West U.S. Highway 50 in the Halstead area.

Okay, I have two short comments to make. I believe or listened to a description here of tree rings as a record of droughts. And the information was based on an excerpt from Colorado. In 1854 Kansas territory was open for settlement. Until then this country was a vast prairieland with almost no trees. There is a

marked difference between the tree covered mountains of Colorado and this Prairieland. And there is a wide distance separating us as well.

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I don't believe you can rely on tree ring interpretation from Colorado to determine long term our Kansas droughts. Wichita is selling water to 14 entities. Ten are adjacent cities, three are rural water districts, and the final, the Chisholm Creek Utility Authority. There is nothing to say that this sales area will not increase.

northeast of Wichita. Their water source is
El Dorado Lake, which is roughly the same size
as Cheney Lake, from which Wichita draws. But
there is a drip difference. El Dorado Lake is a
grassland lake. It does not have the silt
problem that Cheney has. Their water is also
available for sale, and they would like to sale
to Wichita. When you add profit to the water
equation it becomes a bit more dicey, is it need
or is it agreed?

But we who live directly above the Equus Beds still have the need. Thank you.

THE HEARING OFFICER: Thank you, ma'am.

12 Next is Josh Carmichael. 1 MR. CARMICHAEL: 2 Passing. 3 THE HEARING OFFICER: Thank you, sir. Another pass. Steven McLoud, 4 Bret Jacob. 5 another pass. Tonya (sic) Bulla. 6 MS. BULLA: Good morning, my name is 7 Toyia Bulla, T-O-Y-I-A, B-U-L-L-A. I live at 8 203 North Devinshire Avenue in Bentley. 9 First --10 THE HEARING OFFICER: Sorry I got your 11 name wrong. 12 MS. BULLA: That's okay, everybody 13 does. I am not worried. Thank you for holding 14 these hearings in our area so we can come and 15 speak to you. I appreciate that very much. 16 have a domestic well where I live in Bentley. I 17 also own a ranch four miles west of Bentley in 18 which my family farm has a well there to serve 19 livestock. 20 I wrote written comments back in 21 February and I came to portions of the hearings 22 this week, as much as my other commitments would 2.3 allow me to trying to have an open mind so that 24 I could hear both parties. I have lived in 25 Wichita many years of my professional career. Ι

grew up in this area, this rural area, and now I am back in this rural area. I have friends in Wichita, friends in this area, I want us to come to a solution for all parties involved.

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I want to have an open mind and I listened to the City's presentation, part of it, not all of it, I couldn't come to the whole thing. I also listened to the cross examination of some of those witnesses. And I didn't see, I didn't hear anything that allayed my concerns about what this will do to the Equus Beds and how it will impact my wells and the wells of my neighbors and the farmers in this area.

I am still concerned that it has long term ramifications to this particular water source, particularly because of the chloride plume that could come in, weakening the hydrological barrier. I am very concerned about that. I heard the City of Wichita, I believe Mr. Pajor, mentioned that he was open to some restrictions on when they could withdraw those credits, the water from those credits, but I didn't see that in the original proposal. And it's, I believe his comment was he would welcome those kinds of restrictions, but I find that a

14 little insincere if it wasn't in the original 1 2 proposal. 3 I don't believe, from what I heard, 4 that the City of Wichita made a concerted effort 5 to look for other sources of water outside of 6 the Equus Beds that could serve those purposes, 7 and the need to fulfill that need. 8 The bottom line, Ms. Owen, is that 9 nobody knows what the future holds for this 10 area, or any other area. Nobody can predict the 11 weather and what years we might have a drought and what years we might have surplus water. 12 13 Only the Lord God knows that. And this is a 14 difficult decision for you, and I don't envy 15 your place in having to make this 16 recommendation, but I pray that you would listen 17 to us and ask the Lord for quidance in this 18 situation because only He can really give us the 19 best possible outlook for all parties. Thank 20 you. 21 THE HEARING OFFICER: Thank you, ma'am. 22 Tommy Loque. 2.3 My name is Tommy Logue, MR. LOGUE: 24 spelled T-O-M-M-Y, L-O-G-U-E. I live at 303 25 North Garden Avenue in Burrton, Kansas.

been in this area for 86 years, except for the time that Uncle Sam required my services. I was raised in Bentley, and at the time that I think I was about 14 Wichita put in two wells on the northwest and northeast corners of the section that's occupied by Bentley. They come around and explained to us that it wouldn't lower our water level at that time.

We had a well in our house. It was on a joint of pipe eight feet deep with pump point. We had plenty of water. They pumped those wells for 24 hours to test them and the next morning we got up and we had no water. Wasn't going to lower our water table, but we had no water. Well, they brought us water bottles on a cradle, family of five is supposed to get ready for school and do our daily chores on five gallons of water for each day.

Finally they come out and drilled us a well, and I have forgotten now how far they said they went, but it was considerably deeper than our well was to begin with. So they, they lowered it a lot. And it's continued to stay that way.

I live in the, practically on Main

Street in Burrton and I had a well that was at 1 2 27 foot of water in it when I moved in. haven't measured it lately, but two years ago I 3 4 watered my garden with that water and every 5 plant died. I had to go get a knee operation so 6 I didn't finish raising a garden that year. 7 Last year I put out a garden and watered it, 8 again it died. 9 So I took my water in and had it It tested two kinds of salt extreme, so 10 11 the water, the salt presume has passed me by considerably. So their pumping is bringing that 12 13 salt plume right on in to what was good water. 14 I don't know what they do with that, but it's 15 unusable for me. They continue to do this and 16 the City of Burrton's water is soon going to be 17 polluted with water, I mean with salt. And that's going to be a real hazard for the people 18 19 that live in that area. 20 If we continue to do this, many of the 21 farmers that's irrigating is going to have an 22 extreme problem with their crops when they are 23 trying to irrigate with saltwater. And this is 24 the bread basket area for the State of Kansas, 25 if it continues to operate this way, there may

17 1 be a lot of hungry people going on. This whole thing reminds me of a little 2 boy that comes out on the porch and he has an 3 4 ice-cream cone in his hand. And the big bully 5 down the street sees he has an ice-cream cone, 6 comes down and takes it away from him. 7 daddy's not around any more and he has no big brothers, so he has to do nothing but stand 8 9 there and watch him eat his ice-cream. Nothing he can do about it. It's kind of the way I feel 10 11 I hope we could do about this program. Thank you. 12 something about it. 13 THE HEARING OFFICER: Thank you, sir. 14 Ruth Jacob. 15 MS. JACOB: Good morning. I am Ruth Jacob, R-U-T-H, J-A-C-O-B. I live at 9317 16 17 Southwest 72nd, Sedgwick. And I have been here 18 for the past three days and I want to say I do 19 appreciate the fact that you have created a 20 relaxed atmosphere for people, that has been 21 nice. 22 I want to say that my family has lived 23 in and around Halstead for four generations. My 24 great grandfather helped found this church in 25 1875, and we have been stewards of the Equus

Beds aquifer for nearly 150 years. I hope that we can continue to be stewards for many generations to come.

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I spent my childhood on a farm three miles north of Halstead, and I now live four miles southeast of Halstead. My husband is a retired farmer, but we own and live on a quarter section with two domestic wells, one at the house, one at the farm shop and it is used to water cattle in a small feedlot. We also have a well that supplies our irrigation pivot system.

Now, when I was a little girl we were taught not to waste water, or anything else. We got our toothbrushes wet, we shut the faucet off, brushed our teeth, and we rinsed our mouth out with a couple of sips of water out of a glass. We shared bath water. We watered flowers, when needed, and gardens. And didn't use the water on the lawn or anything that was deemed to be unnecessary, because we needed the water for the livestock and for our homes. That was most important.

Now, having an ample supply of good water is the most important thing needed when people want to sell a house or when they want to

build a house. We need to have good quality water and we need to have a quantity of water.

Over pumping of the Equus Beds also is allowing the chloride to move further to the east. And if it comes too much further it is going to get in to the well field, it's going to cover a bigger area. And it is going to change everybody's lives around here forever.

All of us that live or own land above the Equus Beds need the water to raise the crops to feed the world and to feed livestock. The City of Wichita generously said they would drill new wells or deepen existing ones to make sure everyone has water, but do they have any idea what that would cost? Do they know how long it would take? And would they be willing to be disrupted from their daily life, like our families and farms would be? It would be days or weeks while we would wait on the drillers. And farmers cannot be without water for even one day.

Many of the wells around here are very shallow, so the disaster of the wells going dry during a 1% drought is real because the city would be pulling so much extra water . I know

of many wells around here, and it's record on 1 2 the Internet, that are only at about 30 feet. Another thing that's a concern is 3 4 that the City would get 120,000 additional acre 5 feet of water to use in times of the 1% drought 6 and farmers that live and farm above the Equus 7 Beds have been denied any new allocation for water since the early 1980s. The Groundwater 8 9 Management District Number 2 was formed to deal 10 with the problem of having been over 11 appropriated for a number of years. They know the proposal could be disastrous because of the 12 13 over appropriation, and have said it shouldn't be allowed. 14 15 Agriculture, which is our main thing right here in the middle of Kansas, is America's 16 17 bread and butter. In fact, it really is the 18 City of Wichita's bread and butter. We provide 19 food for them, too. Something of this magnitude 20 with so many uncertainties just shouldn't be 21 allowed by the District of Water Resources, a 22 governing body of the Kansas Department of 2.3 Agriculture, that governs the use and allocation 24 of the state's water resources. 25 It is understandable that Wichita wants

21 to keep their customers happy; but we, too, need 1 to be happy. The Equus Beds already has the 2 3 best stewards possible. They have the 4 Groundwater Management District Number 2 team, and they have all of the residents and 5 6 landowners that are above the Equus Beds. Thank 7 you very much for your time. 8 THE HEARING OFFICER: Thank you, ma'am. 9 Alan Jackson, waiving off. Myrle Cale House, pass, okay. And I am having trouble with this 10 11 I think it's someone with you, next name. 12 Myrle. You are passing also. Okay. And we 13 have a Roger? I am having a hard time reading You pass. Another pass. 14 this. 15 Representative Stephen Owens. 16 MR. OWENS: Good morning, Madame Chairwoman. My name is Stephen, S-T-E-P-H-E-N, 17 18 O-W-E-N-S, I am Representative for the 74th 19 South District. I live at 306 South Hoover Road 20 in Hesston, Kansas; and also have land in rural 21 Harvey County. 22 Thank you very much for the opportunity 2.3 to be here today. And thank you very much for 24 the work that you are doing, I know it is a 25 daunting task.

As representative of the majority of the people in this room I am honored to be here and stand here and ask just a simple few questions that I think needs to be answered before action is taken. And I recognize that action has been delayed as the result of not getting through all of the formal testimony.

My first question is, are passive recharge credits even legal? As I understand what the City of Wichita is proposing it is to create a new type of recharge credit. I have asked the legislative research department of the State of Kansas that very question, and yet to receive an answer. So I want to ensure that if a decision such as this is made that it's within the statutory allowance that the State of Kansas currently has.

Do we know the consequences of dropping the aquifer below the '93 levels? Is there true testing? Is there independent third party work that has been done so we truly understand the consequences of those actions. You see in the state legislature we often do things and create unintended consequences of which we have the responsibility to go back and fix.

Unfortunately if we don't know the consequences of those levels being dropped and ultimately what it may do to that salt plume and where it may move. Those are unintended consequences where we don't have the right or the ability to go back and fix.

As I have had the opportunity to study and to understand this issue, it is my belief, and my understanding, that more research needs to be done. That more questions need answered and that we need to look at this possibly even on a state level through legislation in the event that these passive recharge credits are decisions that are made need to be statutory legal.

With that, I want to offer my time and my commitment to this organization, to you, in anything that I can do to help you and your work, the City of Wichita, in finding the answers that they need, because I certainly don't want to minimize the importance of what they are doing in watching out for their residents, but I also don't want to minimize the importance of the residents of Harvey County and those farmers.

24 1 You see we can go about 40 days without 2 food, but only three days without water and 3 water is one of the most precious resources that 4 I stand committed to helping. we have. 5 you. 6 THE HEARING OFFICER: Thank you, sir. 7 David Stroberg. Pass. Esley Schmidt. Do I 8 have that right? 9 MR. SCHMIDT: I am Esley Schmidt, 10 E-S-L-E-Y. 11 THE HEARING OFFICER: I apologize for 12 getting your name wrong. MR. SCHMIDT: My address is 736 Eagle 13 14 in Walton, Kansas. We are out in the country 15 about five and a half miles away from there. We had a spring in our pasture years 16 ago, and I suppose the spring is still there, 17 18 but there was a cement encasement around the 19 water and I went back Tuesday to see how much 20 water was still there, and the only water that I 21 could find was little patches around the cement 22 encasement that they built years ago. Around 23 the spring. 24 Now, at that time, or all the time that 25 I remember, there was a pond of water below the

spring that I don't remember that it ever got dry, even during the dry periods. I went by there all the way and there was not a single drop of water anywhere for about a quarter of a mile. Now, we live up on a hill, the water level there, well, the well is about 90 feet deep and the water is hard as rock, whereas the pond water, the spring water is very soft.

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Of course we have, water has been confiscated already years ago, of course not available any more, but we do still have a little bit of water in the 90 foot deep well that's on the farmstead, but as far as the spring being of much value to us any more is not because we had to change your method of our plumbing, because it isn't producing enough water any more for all the cattle that we have in the pasture. So we have to start putting up the hay in bales.

And now, of course, I am so old now that I don't do much farming any more, but I can still work on the place at age 92 and 93, I am, I am still alive where a lot of my friends are dead. I hope that the City of Wichita is not allowed to confiscate all the rest of the water

26 that we have, even though we were already not 1 2 able to use much of it because it's too, too low 3 in the spring. Thank you. 4 THE HEARING OFFICER: Thank you, sir. 5 Michael Koehn. MR. KOEHN: Koehn. 6 7 THE HEARING OFFICER: Koehn, sorry. Му 8 glasses don't help me as much as I like. 9 MR. KOEHN: May I give a you a copy it cites some references. 10 11 THE HEARING OFFICER: Sure. 12 MR. KOEHN: Michael, M-I-C-H-A-E-L, 13 Koehn, and you spell it K-O-E-H-N. My address 14 is 15425 Southwest 72nd Street, Halstead. 15 I would like to take this time to tell you a little bit about my family and how it 16 17 impacts my family. My name is Michael Koehn and 18 I have taken off of work this week to attend 19 these hearings because of the importance to my 20 family and community of Halstead and Harvey 21 County. I live and farm in Lakin Township 22 southwest of Halstead. I am also a member of 23 the Harvey County Planning and Zoning 24 Commission, so you can see how I have a vested 25 interest in the future of Harvey County.

My family arrived in the Halstead area 1 2 130 years ago, things were a little bit 3 different on the prairie back then. They lived 4 and worked in the area southwest of Halstead. In good years they celebrated the harvest. 5 6 bad years they nearly starved to death. 7 family members are listed in Cutler's History of Kansas as pioneers. One, Kate Hess, my great, 8 9 great grandfather's sister, lived and raised her 10 family with her husband, Adam. The other was 11 Kathryn Frey, and she homestead in Barton County, was the first Native American woman in 12 13 that county. These pioneers knew they would 14 fight drought, floods and mother nature, but 15 these pioneers could never have imagined that one day they would be fighting with their 16 17 neighbors to the south in Sedgwick County for 18 their very existence using the water which is 19 every community's life blood. 20 The incredible part of this dynamic is 21 that the City of Wichita wants to withdraw more 22 water than the original agreement that they 23 agreed to states. Not to sustain their own 24 citizens' use but to sell it to other 25 communities.

According the High Plains Journal article of July 17, 2018, by Amy Bickel, the City of Wichita was selling water at that time to 11 other communities of 77,000 people. This is incredible to me as it is well known that the Burrton salt plume is approaching from the west and migration of the chloride from the Big Arkansas River toward Halstead from the south.

According to the article published by the Kansas Geological Society Open File Report 2012, water quality data was assembled for Groundwater Management District 2 using its monitoring wells, irrigation wells and municipal wells in the City of Wichita. According to this data it was determined that the Burrton salt plume has migrated eastward and in to the deeper part of the aquifer with time. The front of the plume, as indicated by the 500 mg/litre chloride isosurface is only one mile from the nearest municipal supply well in the Wichita well field.

According to the United States

Geological Society article of August 7, 2014,

artificial recharge by actually injecting water

into the aquifer from the Little Arkansas River

will raise groundwater levels, increase storage

volume in the aquifer and deter or slow down the plume of chloride brine approaching the Wichita well field from the Burrton area, which was caused by oil production activities in the 1930s. They also note that the approaching high chloride water from the south by the Arkansas River has the same requirements of the need for actual injection of water in to the aquifer, not simply taking water or earning credits for not doing so.

Even though the City of Wichita has submitted numerous models and tables at this hearing, it's still evident they are not sure they know what they are doing hundred percent by the large ASR water reclamation pit on Southwest 36th Street, which is a total failure and has trees growing up in inside of it. They have abandoned the pit and left it as an eyesore to the community, which serves as a testimony that all things can't be modeled or tabled.

Madame Officer, part of my family came west on the Oregon trail to a little town just south of the trail in Webster County, Nebraska called Blue Hill in the 1800s. His name was Henry Wagener, Sr., and he was my great, great

great grandfather. And he was the father of my great grandfather, Henry Wagener, Jr. He began farming and was successful until three years of sustained drought destroyed the land and the wells ran dry which prompted a mass exodus from that area.

Henry Wagener, Jr., heard of the plentiful water in the Halstead area and decided to bring his family to Halstead by wagon. They loaded everything they owned into the wagon and started out for Halstead from the Nebraska border. He came that distance with his wife, Theresa, and my great grandmother, Anna, and twin, who were four years old at the time.

They walked the entire distance because there was no room in the wagon for Theresa and for the two four year-old twins. It took them a month to get here from Nebraska. By that time they were down to one set of clothes that they washed every night and hung up to dry for the next day. Anna married my great grandfather, Dave Lentz, and they homesteaded southwest of town, where they had my grandmother, Marie.

In the 1930s my mother was born in the dustbowl days to Anna's granddaughter Marie and

her husband, Clarence Farber. They farmed near my other relatives on a farm southwest of Halstead. My grandparents, my mother and her little brother nearly starved to death after three years of drought in the 1930s. They lost their farm due to the lack of water that they had worked so hard for and had to move to town or starve. This affected my mother to the point that she would hid canned goods, cans of food all over the house because she never wanted to be hungry again.

Madame Officer, my family really doesn't want to be forced off our land again and have to move, which very well could happen if our wells go dry or the migration of salt from the Burrton area isn't stopped by enforcement of the original water rights agreements which the City of Wichita agreed to and called for actual injection of water into the aquifer, not simply getting credits for not taking water.

The City of Wichita has voiced no explanation of what they would do or if there would be compensation if the wells do go dry and cannot be redrilled or the Burrton salt plume continues its inevitable march and contaminates

32 domestic wells. 1 Madame Officer, the citizens of Harvey 2 3 County aren't asking for anything extra or 4 special treatment, just that the City of Wichita 5 be asked to honor the agreement that they agreed 6 upon. Thank you. 7 THE HEARING OFFICER: Thank you, sir. 8 Sarah Koehn. 9 MS. KOEHN: Pass. I think our next 10 THE HEARING OFFICER: 11 person, the last name is Durner. 12 MS. DURNER: Good morning. My name is 13 Rosa, Rosetta, R-O-S-E-T-T-A, Durner, just like 14 turner with a D, D-U-R-N-E-R. 15 THE HEARING OFFICER: I am sorry, 16 please repeat the last name. 17 MS. DURNER: D-U-R-N-E-R. 18 THE HEARING OFFICER: I was way off. 19 Thank you. 20 MS. DURNER: I live at 300 North 21 Sedgwick in Burrton. I am work in the bank in 22 the Burrton and I listen to customers' concerns 23 and complaints all day. They are very concerned 24 about the salt plume and the diminishing water. 25 We see the water in the river dry up, it used to

be a river, now it's becoming sandbars. 1 2 not as well prepared as some of the others here. 3 I just want you to know my concerns and my 4 customers. I own farmland. So I thank you for 5 your time. 6 THE HEARING OFFICER: Thank you, ma'am. 7 Frank Harper. 8 MR. HARPER: I do have a copy. It has 9 my name and address on it. I will repeat it 10 though. Thanks. My name is Frank Harper, my 11 address is 8426 South Ridge Road, Sedgwick, I am not very good at following a 12 Kansas. 13 script, never have been, but I did attempt to 14 write some notes here to try to keep my comments 15 focused. 16 Good morning. My name is Frank Harper, I live approximately one mile north of the town 17 18 of Sedgwick in Harvey County. I am a farmer and 19 rancher. I served on the GMD-2 board from 2000 20 through 2009. My comments this morning are 21 primarily based on my time on the GMD-2 board 22 during approval and implementation of Phase 1 23 City of Wichita's aquifer storage and recovery 24 project, as well as learning information more 25

recently regarding Wichita's current proposal.

My guess would be that there is no one in this room today that doesn't respect the City of Wichita's responsibility to provide a safe drinking water supply to the citizens of Wichita, as well as other uses of water within the City. We understand that the City has approximately 40,000 acre feet of water within the Equus Beds aquifer to compliment the supply of water they have access to from Cheney reservoir.

What does concern many of us is it seems to be Wichita's constant strategy to redefine water and it's method of capturing storage. Their effort in doing this seems to be to gain increasingly more and more of the precious resource in ways only allowed by them and not other water users. Their process for doing this seems to be to continue to hire large engineering firms like Burns & McDonnell to attempt to legitimize these strategies and tactics.

When Phase 1 of the ASR project was approved, GMD 2, and the City of Wichita, agreed to several key factors that would set the parameters not only for Phase 1, but also for

subsequent phases. The board and the other stakeholders of the district felt that the MOU that was created was entered in to in good faith by all parties. Now it seems that the City has decided to take a different approach and go against the MOU they entered in to with GMD-2.

This abandonment of the MOU has resulted in their attempt to change the rules and regulations to better suit their objectives and ultimately change the permit conditions as set forth in Phase 1 of the ASR project.

Countless hours were spent by the GMD-2 board, GMD-2 staff and numerous other stakeholders during Phase 1 permitting to arrive at key points of agreement, such as using the 1993 aquifer levels for baseline storage capacity.

Two, not allowing passive recharge credits.

And, three, the establishment of the hydraulic barrier to slow the salt movements from the Burton brine contamination area.

To my understanding, all three of these key points have simply been abandoned by the City in its current proposal. Perhaps the City forgot somewhere along the way that mother nature is far superior for replenishing the

shallow aguifer than multi-million dollar 1 2 infrastructures, paid for by taxpayer money. 3 So why wouldn't the citizens and the 4 stakeholders of the district feel betrayed and 5 upset by Wichita's recent approach? It seems as 6 though when the City so-called engineers methods 7 of capturing storage don't work, they simply 8 abandon their agreements. 9 In addition, to this an increasingly frustrating part is what seems to be the 10 11 Division of Water Resources assistance and support for the City of Wichita for doing such. 12 There is reason for concern when citizens lose 13 14 faith in their government entities to be unbiased and fair to all parties. 15 This recent approach by the City of Wichita, with what 16 17 appears to be the assistance of DWR to ignore 18 legitimate questions and concerns from the 19 citizens and stakeholders in GMD-2, gives 20 legitimate reasons for Kansans to lose faith in 21 their state and its agencies. I certainly hope

Since I need to ad lib a little bit, I wouldn't feel right if I didn't. You know, I

that this is not the result of this hearing

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process.

don't think anyone here is anticity. We all benefit from many of the things that the city provides to us, whether it's going to eat dinner or participating in retail and everything else that goes with the city. But there's a lot that the city benefits from the stakeholders in this district. The ag economy, the industry that's out here in the district, the people that live out here, use the water, drink the water, that patronize the city in many, many ways.

I thought back a little bit from my time serving on the board, which I enjoyed immensely, it was a discussion we had with, it was a different municipality, but it was a situation where an engineering firm had come in and built a couple of well houses to basically for the well infrastructure to supply the city water. Well, in the process they didn't allow for enough room to meter the water coming out of this building.

so ultimately they came to the board and asked, well, we basically mis engineered this and can you guys help us out? And I remember sitting there thinking, well, here I am, a farmer and a rancher in this community

sitting on a board volunteering my time, and I am being asked to fix a problem that an engineering firm had created, that they were paid well for by a city to provide water to its citizens. And I thought to myself at that point in time, it came to mind that's not what we are here to do. That's not what we are here to do.

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And I look at this situation, and I think about, and it's not near as good as example with the gentleman with the ice-cream cone, but I thought here we are, the city has basically swung for the fence for this project. They swung as hard as they could thinking all of this, it was all going to work, but at best they got a base hit.

And now they are asking the citizens and stakeholders of this district to say, hey, would you go ahead and make that home run for us because we spent a hell of a lot of money here to make this home run work and we only got a base hit. And that's the only thing that bothers me about this whole process.

It seems to me there has been an unwillingness for the city to sit down, and possibly DWR as well, with the stakeholders and

39 with the district and say listen, how can we 1 2 make this good for all of us, not just a one 3 sided approach to benefit the city and try to 4 recapture and make this whole process of 5 spending millions and millions of dollars whole 6 That's my comments, thank you very for them. 7 much. 8 THE HEARING OFFICER: Thank you. Darcy 9 Weninger? 10 MS. WENINGER: Pass. 11 David Weninger. THE HEARING OFFICER: 12 MR. WENINGER: My name is David Weninger. And I live at 7350 North 167th 13 14 Street. 15 Spell your last name, THE REPORTER: 16 please. 17 MR. WENINGER: W-E-N-I-N-G-E-R. Back 18 in the '70s I drilled water wells for almost 19 nine years and since then around the Bentley 20 And Bentley I believe area those wells are dry. 21 has city water now. And I farm a, some acreage 22 east of Colwich and I am irrigating the 67 2.3 permitted field on 31 acre feet of water. 24 Now, one year it rained and I didn't 25 use my 31 acre feet. But I wasn't allowed, if

we could bank that, or if I could banked what I had left of the 31 acre feet, I could have had a crop the next year. But the next year was dry and I used my 31 acre feet before the irrigation season was over with.

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So, you know, I am sure everyone around can feel that if we could bank what we didn't use the year before, it would be pretty nice.

Because we are only allotted so much. But if we don't use it, that's it for that year.

And in my nine years of drilling water wells, a lot of, a lot of miles, a lot of miles in the area, and I am thinking if Wichita wants more water, let them drill their wells over by Wichita. There is plenty of water north of Wichita, because even for when they all come in for a new housing addition, we had to drill wells to de water so they could put the sewer line in at ten feet. And hundreds of de water wells just to suck the aquifer down so they could work underground at ten feet, but when they got that in then the wells were abandoned.

So that's, you know, I could never understand why the City of Wichita wells are 30 miles from town. If I want a water well, I

can't go drill it on my neighbor's ground, I
have to drill it on my ground. So if Wichita
needs more water, there is plenty of water in
the Wichita city limits. That's about it.

THE HEARING OFFICER: Thank you. Joe Bergkamp.

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MR. BERGKAMP: I am Joe Bergkamp,
B-E-R-G-K-A-M-P. I live at 2004 South Willow
Lake Road here in Harvey County, which is the
western edge of the recharge basin that we are
discussing. I and my wife, we have lived there
for 30 plus years, basically a grain farmer of
corn, beans, wheat and milo. And I do have
irrigation.

I am asking you to deny the City of Wichita, their request. Primarily because our domestic well, since we live on the outer edges we'll be greatly affected. And we also have a rental house down the road. And if that well goes dry nobody is going to want to rent a rental house where there is no water. I am not a hydrologist or geologist, but we all know what happens when the water table drops below the water well pump, it is no longer a pump. And we know what the resolution is to this, two

42 resolutions really. One, drill a deeper well or 1 2 simply deny the City of Wichita their request, 3 because it will happen. Our water table will 4 drop. I have a grandson, when he was 5 6 approximately five years old we would play a 7 board game, and he would inadvertently make up the rules as we would go. And they would favor 8 9 him. And I kind of thought, well, I was 10 probably that way, too, at that age. But I see 11 a huge similarity here between my five year-old grandson and the City of Wichita making up the 12 13 rules as they go. I would give anything to have 14 that kind of luxury, but obviously I don't. 15 So we are requesting that you deny 16 their request and I also want to take this 17 opportunity to thank you, Connie, for all that 18 you have done. We really do appreciate it. And 19 that's all I have to say. 20 THE HEARING OFFICER: Thank you, sir. 21 Roger Unruh. 22 MR. UNRUH: Pass. 2.3 THE HEARING OFFICER: Alvin Neville. 24 MR. NEVILLE: My name is Alvin Neville, 25 N-E-V-I-L-L-E. I live at 14601 West 77th Street

43 in Colwich. Our family has irrigation wells 1 2 three miles east of Patterson, and two near 3 Bentley, that is decent water for now. We also have wells south of the Arkansas River near 4 Colwich. We know what chlorides do to our crops 5 6 because we deal with it there with the chlorides 7 that come from the river water that we pump. 8 The levels there range anywhere from 300 to 650 9 parts per million. 10 When the water table is down we have to 11 limit our irrigation and the time that we irrigate because of the damage that it does to 12 13 the crops. Back in 2012 we realized that 14 immensely. We can't allow water levels to be 15 lowered and take the chance of the salt 16 contaminating the water that could potentially 17 come from Burrton and disrupt the aguifer. 18 This is why GMD set the lower 19 restrictions in 1993 to prevent this from 20 happening. It isn't the best scenario for water 21 and cattle and drinking water for us either. As 22 we do have livestock also. 2.3 How many more entities will Wichita try 24 to sell their water to in the future? They have

plenty now . Needless to say that they won't

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expand. A different twist is with new homes and businesses constantly being built more and more water is needed to water their grass. This grass should have a water limit to preserve water. Near us we have two, three and five acre home sites that I drive by in the summertime and they are constantly watering the grass day in and day out with no stopping. Is that really a necessity?

Back in the '90s the City of Wichita imposed water restrictions on homes and businesses that did water grass. And that should be a bigger priority now than trying to scheme a plan on how to sell more and more water. Yes, they have a drought plan but in my opinion there are steps being implemented way to late and slow as they are in a business to sell water.

The irrigators and the farming community have implemented various changes to help irrigate and reserve water at our expense because we care about our water supply and its value. Wichita, a heavy user, should be looking at the same instead of seeing how much water they can sell. Even back in 2012 and '13, to my

45 knowledge, they did not impose any restrictions, 1 2 they just want you to pump water. Selling water 3 is their business. 4 In summary, I am against the proposed 5 water level changes being sought. We cannot 6 take the chance that our water well will be 7 compromised that we use for drinking water, 8 watering our livestock and irrigating our crops. 9 Once contaminated, it will never be the same. 10 Wichita needs to look at similar water 11 restrictions and how water is being used on grass, something that is not a priority, only an 12 aesthetic. Getting water to sell should not be 13 14 a priority. Thank you. 15 THE HEARING OFFICER: Thank you. 16 Anthony Seiler. 17 MR. SEILER: Good morning. My name is 18 Anthony Seiler, S-E-I-L-E-R, I live at 208 North 19 Charles Street in Wichita, Kansas. And I am 20 here today representing the Sedgwick County Farm 21 Bureau, I am the current executive director of 22 that organization. 2.3 THE HEARING OFFICER: Go ahead. 24 MR. SEILER: I want to start, 25 Madame Hearing Officer, I would like to thank

you for your public service and your willingness to engage in this challenging and lengthy hearing process.

On behalf of the Sedgwick County Farm
Bureau Agricultural Association, I would like to
express our opposition to the proposed
modifications to the Aquifer Storage and
Recovery permit conditions made by the City of
Wichita. The Equus Beds Aquifer is a vital
resource for many of the 900 farm families that
we represent in Sedgwick County. It's continued
stewardship is top of mind and we are committed
to being good neighbors with the businesses and
municipalities that depend on it.

We are very concerned that the modifications that have been proposed to the ASR project, to create the Aquifer Maintenance Credits and to lower the index level, would threaten the appropriation rights of all other users of Equus Beds water and could potentially also threaten the preservation of this important resource. We understand that the City of Wichita has an obligation to its citizens to provide water, even during severe drought, but the solution currently proposed would do so on

the backs of hard-working Kansas farmers and ranchers, our members.

The creation of Aquifer Maintenance Credits would allow Wichita to receive recharge credits without performing any of the positive benefits for the aquifer that were originally justification for the ASR project. To make a financial analogy, the AMCs would be like receiving a check, cashing it, and then also getting credit for a deposit; allowing the recipient to spend the same money twice. This kind of accounting would never be acceptable in the financial world because the bank would bear the cost of the extra deposit.

In the case of the Equus Beds, all the other right holders would bear the cost of the benefit Wichita would receive from the AMCs.

The justification that Wichita has offered for the AMCs is that it would allow them to continue to practice outcome based management of their water resources rather than pumping a hole into the Equus Beds to make space for physical recharge.

We believe this clearly indicates that the city's primary motivation through this

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modification is not the conservation of the Equus Beds, but the maximization of their water appropriation ability. The city is attempting to set up a false dichotomy where there are only two choices, but in reality, there are countless alternatives that do not include AMCs or the irresponsible management of the Equus Beds and they should be encouraged to pursue them.

Our members understand the need to be responsible partners with Wichita in managing this precious natural resource and ask only for equitable treatment in its administration. If the AMCs are approved, we see no reason why the city would ever need to perform any physical recharge again. It would be cheaper, quicker, and more efficient to simply pump the water from the Little Arkansas directly to Wichita and avoid the process of injecting water back into the aguifer and then pumping it out later. The city would have no financial incentive to physically recharge water and it would allow them to accumulate a greater amount of water appropriations which seems to be their clear goal rather than resource conservation.

With regards to lowering the index

level, we are concerned that if the aquifer was ever drawn down below the 1993 levels it would cause significant harm to our members and other users of the Equus Beds. When the water levels reached their low in 1993, the effect on users was dramatic enough through dry wells and impaired water quality that DWR stepped in and established this as the safe limit. If the lower index level was approved, we see no reason why the same harms that were experienced in 1993 would not be repeated if these limits were ever surpassed.

One final recommendation that we have for DWR in future rule making process is to engage with all impacted parties at an earlier point in the discussions. It is admirable that DWR takes a "let's find a way to yes" approach and works with rights seekers, when so many regulatory agencies have a reputation for being aloof to the concerns of those they regulate. However, in this modification process we think that one of the critical errors was that other rights holders, who would be affected by these modifications were not engaged during the informal conversation phase of this process. If

DWR does not bring all of the interests to the 1 2 table during the "let's find a way to yes" 3 phase, then the finished product is not likely 4 to serve the interests of the entire community. 5 Finally, we would like to associate 6 ourselves with the testimony and legal analysis 7 given by Kent Askren on behalf of Kansas Farm 8 Bureau at the public hearing December 11, 2018. 9 Madame Hearing Officer, we appreciate the magnitude of the decision you have before you 10 11 and the difficulty of balancing the interests of all parties in safely preserving this vital 12 13 natural resource. We look forward to the continued 14 15 discussion of the proposed changes and hope that their resolution will ensure that the Equus Beds 16 remains a source of prosperity for farmers, 17 18 ranchers, businesses, and municipalities for 19 generations to come. Thank you. 20 THE HEARING OFFICER: Thank you. 21 Cheryl McLoud. Pass, okay. Robert McCart. 22 Kenny Weber. Theresa Seiler. Pass. Jared 2.3 Scott McCoy, pass. Barbara Janzen. Pass.

Pass.

MR. STECKLEIN:

Gary Stecklein.

Good morning.

For the

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Dilly Stecklein.

record my name is Gary, last name Stecklein,

S-T-E-C-K-L-E-I-N. And we live at 11918 North

279th Street West, which is just north of the

Arkansas River on Burmac Road. For the record,

I happen to be a mechanical engineer, please

don't take the, don't accuse me of something

there. And also I am not Larry Steckline, the

guy who gives the ag report, so please don't

think I am he either.

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My wife and I moved back to Kansas in 2008 and moved to her family farm. And since that time I have became aware of the situation here. And I must say it was the first time I heard about this recharge situation. I thought it was about almost the dumbest thing I had ever heard of because it seemed to me it would be kind of hard to take the Little Arkansas River to put it back in to the aquifer because when you want water you don't have it. So that seems to have been the case and been proved over the last how many years.

I do want to say, just looking at it from an outsider's viewpoint I must agree that giving credits for water that you don't put back in to the aquifer seems to be not logical. It

doesn't benefit the aquifer one iota. Taking the Little Arkansas water to the City of Wichita is fine, but they should not be given credit for doing that.

Taking water below the 1993 level is also a bad idea. That happened to be the year my wife's grandmother passed away, so we were here and we heard of how bad it was in 1993. We have come to this area very, very many times, but live here now and have, we use domestic water, we have wells for irrigation of the farmland.

A couple of things I want to share, however, is from our experience in living in San Antonio, Texas for 27 years. While we lived there the City of San Antonio was going through the same kinds of problems that the City of Wichita is facing. They take all of their water from the aquifers to the west of San Antonio, which was also being used for irrigation. And the solution they came up with was to actually buy the water from the farmers so that they would not use it for irrigation. So that is a potential solution that I think should be investigated.

1	The other thing I want to pass along is
2	in an economic development meeting I happened to
3	attend several years ago with Mr. Longwell,
4	before he became mayor, and the City of Wichita
5	was talking about the importance of water
6	resources for the economic growth of the City.
7	And it just, it occurred to me during that
8	meeting that the, because they were taking water
9	out of Lake Cheney, which I didn't know they
10	were, it occurred to me that a channel from the
11	Arkansas River to Lake Cheney would be an
12	approach for providing recharge of that
13	reservoir. So even though high levels in the
14	river are not common, they do occur even during
15	drought periods. So that seems to me to be a
16	way of providing additional water resources for
17	the City of Wichita. And so I thank you very
18	much and thank you.
19	THE HEARING OFFICER: Thank you, sir.
20	Harold Schmidt. Pass. Karen Siebert. Pass.
21	Jack Queen.
22	MR. QUEEN: Good morning. My name is
23	Jack Queen, Q-U-E-E-N, I live at 3230 North Flat
24	Creek in Wichita. I am also the present general
25	manager of the farmers co-op here in Halstead,

1 represent a little over 850 producers there as 2. well. 3 Good morning. My name is Jack Queen, 4 like I said I am present general manager of the 5 farmers co-op in Halstead. We also have 6 locations in Bentley, Mt. Hope and Patterson. 7 If you think about the shape of a football, 8 seven or eight miles north and south of Mt. Hope 9 and north of Halstead, that's our territory. will give you some numbers for that area, take a 10 11 little different approach and look at the 12 financial consequences on this trade area. 13 What was discussed this week is very 14 important to the co-op, over 850 plus customers. 15 Not only is GMD-2 a vital part of many farming operations also used in their homes and 16 17 livestock operations. Before GMD-2 was 18 developed for irrigation purposes, many of these 19 farmers were growing 30 to 40 bushels a week. 20 Today they are growing 190 to 210 bushel of corn 21 and 60 to 80 bushels of soy beans. 22 bushel a week crop today is worth about \$167.20 23 an acre. A 210 bushel of corn crop is worth 24 \$766.50 an acre, and an 80 bushel of soy bean 25 crop is worth about \$661.60 an acre. I realize

the costs of inputs is different, but the same is the more you put in the more you get out.

So here at Farmers Co-Op, the Elevator Company, we receive about 4 million bushels of corn in a year, about 1.7 million bushels of soybeans a year. That's just what comes to us and not counting what goes to other elevators or kept in storage to be fed or shipped or somewhere else.

Out of that roughly we figure annually about 60 percent of the corn is irrigated, we receive, and about 50 percent of the soybeans is irrigated. So math tells us roughly 11,500 acres of corn that we receive is from irrigated ground, and 10,600 acres of soybeans come from irrigated ground. Roughly equates to 8.8 million dollars in irrigated corn, 7 million dollars in irrigated soy beans, a total of 15.8 million dollars in our surrounding communities from this irrigation activities.

If the City of Wichita is allowed to pump these credits they don't pump back in the ground and the water is unable to be pumped on the land, and we will go back to the dry land wheat days. So you can look at those 22,000

acres that will provide 3.7 million dollars in 1 2 our communities, in this small area. Roughly 23 3 percent of that revenue generated from the 4 irrigation activities will be all that's left. So roughly a little over 75 percent of 5 6 that money, of that \$15 million, will not be in 7 our communities to be spent on input costs, stuff for their homes, different things like 8 9 that. 10 This project was started, in part, to 11 keep the Burrton salt water plume from migrating into this highly productive agriculture area, as 12 well as help keep the chloride from the Arkansas 13 River in the Arkansas River. Both of these 14 15 issues would make this water unsuitable for domestic uses, livestock and agriculture. 16 17 appears to me that the City of Wichita wants to 18 take a wait-and-see approach if this experiment 19 happens, but by the time it happens, once it 20 happens it's too late. We'll lose the 21 irrigation for our homes and livestock and crops 22 that we grow today. These wells will likely have to be abandoned as well. 23

All the folks who have made their homes in rural Harvey and Sedgwick County will be

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57 without water for their homes and livestock, and 1 2 will be forced to leave or face the high costs 3 of getting rural water pumped to their homes. 4 This appears to be a reckless attempt 5 to grab a resource that they will then sell to 6 the highest bidder, while all of those who have 7 their livelihood and GMD-2 will be lost. It is 8 my, and the 800 plus members of the co-op and 9 Elevator Company ask that this proposition be denied and the City of Wichita look elsewhere 10 11 for the future needs. As I said earlier, it is my 12 13 understanding that El Dorado Lake has plenty of 14 water that could be purchased and piped to 15 Wichita. 16 Thank you for your time and consideration and listening to all of us speak 17 18 about this issue. Thank you. 19 THE HEARING OFFICER: Thank you. Steve 20 Jacob. David Jacob. David Wendling. 21 MR. WENDLING: Pass. 22 John Wendling. THE HEARING OFFICER: 2.3 MR. WENDLING: Pass. 24 THE HEARING OFFICER: Joe Trego. 25 MR. TREGO: Joe Trego, 806 Main,

1	Halstead. And I think this is a gamble. It
2	might work and it might not. My work history I
3	worked for the City of Wichita well field in
4	1970s, and then became involved in the
5	irrigation world from '84 to '08. And when I
6	was working in Wichita for the City of Wichita,
7	a co-worker we had charts for water depth. It
8	coned. And we had to change these charts once a
9	week. And on well number 1, which is on Highway
10	50, the further, furthest north point, I worked
11	for, I was working with Bob Farber and the, he,
12	he commented that somebody turned the irrigation
13	well on and the water cratered. And it creates
14	a cone, and what the, and what I am concerned,
15	with the depletion of the cone, the water
16	depletion, will create a cone and we have
17	saltwater coming in from Burrton and saltwater
18	coming in from the river. And it never goes
19	away. And I don't want to gamble with that.
20	Thank you.
21	THE HEARING OFFICER: Thank you, sir.
22	Dan Andrew.
23	MR. ANDREW: Good morning. My name is
24	Dan Andrew. I live 4605 South Ridge Road, I
25	have lived there since '92, something like that.

I own two 80s right along Ridge Road we have two irrigation wells and three circles. I think we would like to believe that fresh clean water is unlimited, we would like to believe that, but in reality, fresh clean potable water is limited in the sense that nature can only supply a certain amount of water, as yet to be through this aquifer is yet to be determined what that is and at what level. And we call that level, you know, that quantity a safe yield.

The unknown is, what is that quantity and that answer is what we see. The second part of that is how it's best to be used. And I am hearing new information here today that Wichita's intended use of it, and quite honestly it's very disturbing, at the least, and can be very maddening at the most, I guess.

I have lived in rural areas most of my life. I have talked with a few and fresh water has been understood as long as I can remember. So I have been keen on this topic my whole life and try to practice the most conservative level usage as possible, and I think most of my neighbors in the agricultural community do the same. It's been our nature to do that to make

the most of what we have.

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Water is, and everybody knows this, water is the life blood of all life. Water, without water the landscape around here would be just like mars. In my world my domestic well is at the bottom of the aquifer to bedrock, the two other are down to bedrock, along with these wells are monitoring wells to monitor wells monthly until certified usage could be determined.

I watch the data supplied by GMD-2 very closely and with great interest. In recent years we benefited from timely growing season, rains to ease the demand on irrigation wells. However, that could change any time as we all know. The requested increase by Wichita is at least very shocking and at most very alarming.

It's troubling that another entity can invade in to the rural areas and take the resources right from under the landowners. My deed to my land says I own the mineral rights.

Oil companies have to get my permission if they will drill on my land and they will pay me a royalty if oil is discovered. What makes water any different? Wichita's request, I believe,

goes beyond sustainable and threatens the viability of the aquifer. And it threatens all the users that use that aquifer.

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The increased demand threatens me and every other user in the district. Texas has no program to regulate water, that I am aware of.

And I was down there a few years ago to buy a circle and the gentleman that I bought it from, or was going to buy it from, says we have run out of water because we pumped it dry. That community is suffering because of the no water.

The cost of my wells is in the tens of thousands of dollars. It's availability, the water, adds to the value of the land, however, Wichita's request threatens all of this and every user.

Clearly the limited aquifer must be aggressively protected. Other sources, other methods must be found and developed. Drilling wells deeper is fool hearty, it simply pumps the tub to a lower level. I think it's detestable what Wichita would do, to pump water from right underneath us and then sell it to somebody else. We have heard the fall of the water levels in the lifetimes of the older residents here. These facts cannot be ignored. It is hard

evidence of an ongoing trend. This trend needs 1 to be stopped and it needs to be stopped now. 2 3 Wichita's request will only accelerate and 4 continue this dangerous trend. 5 And I would like to change the 6 vernacular on this salt plume business, we keep 7 saying we need to slow that. No, I don't think 8 we need to slow it, I think we need to stop it 9 where it is right now so somebody else does not lose their ability to water their garden or 10 11 drink the water from their well. 12 Thank you very, very much for hearing 13 us all out. I appreciate it. 14 THE HEARING OFFICER: Thank you. Bill 15 Pass. Joy Carp. Pass. Charles Esfel. Carp. Do I have that right? Carol Dunno. 16 17 Laura King. Gina Bell. 18 MS. BELL: I am Gina Bell and I live at 19 3009 Cotton Hill Drive in Newton. I happen to 20 be the planning and zoning director. I am the 21 one that issues the domestic water well permits, 22 and I can tell you that we have already suffered 23 droughts. And those wells, of domestic quality, 24 have been a problem. I didn't really, I wasn't 25 ready to do this.

Anyway, I think that Harvey County and 1 2 I, I think Harvey County has already said this, 3 are against being, with Wichita being able to 4 lower the water levels any more. It will cause 5 a problem. And if that does happen then Wichita 6 needs to be responsible for making sure that 7 people have domestic water. Thank you. 8 THE HEARING OFFICER: Thank you, ma'am. 9 Calvin Kissick. Pass. Kelly Holle. She 10 passes. Floyd Holle, Sr. 11 MR. HOLLE: Name is Floyd Holle, I live at 11035 Southwest 84, Sedgwick. And I would 12 13 like to read this from the Equus Beds 14 Groundwater Management District 2 to start with. 15 I better put my glasses on. THE HEARING OFFICER: You should 16 17 probably spell your last name. 18 MR. HOLLE: H-O-L-L-E. Dear Mr. Holle, 19 as per your request of January 3rd, 1980, this 20 office has made an evaluation of the proposed 21 well located near the center of the northwest 22 quarter of section 26. The evaluation was made 23 to determine if a permit for a well could be 24 approved. According to the evaluation a permit 25 for a well could not be approved for that

1 location. The revised management program of the 2 Equus Beds Groundwater Management District 3 states that after April 11, 1979, no more than 4 4,025 acre feet of water may be appropriated within a two mile radius of a proposed well 5 6 location. According to the evaluation, the 7 total appropriations for Wichita wells alone within the two mile circle is 8,724, more than 8 9 twice the allowable rate. The total appropriations far exceed the guidelines of 10 11 4,025 acre feet. Again, this means that an application for a well at this location 12 13 described above could not be approved. Very 14 truly yours, Equus Beds Groundwater Management 15 District, Thomas bell. So for the last 40 years permits have 16 17 been denied in order to maintain and sustain the 18 aguifer. It's been a good thing. We want to 19 maintain the aquifer. The ASR project is 20 promoted as a way to slow the salt movement. 21 That was a good thing, if it works. It seems 22 counterproductive to grant permission to lower 23 the aquifer, and speed the salt movement under 24 any circumstance. 25 The City of Wichita may be able to

afford dealing with saltwater, but the rest of 1 2 us can't. We all try to teach your children not to give in to peer pressure. What I would say 3 4 to Mr. Barfield is don't be pressured. 5 right thing. Just say no. Thank you. 6 THE HEARING OFFICER: Thank you, sir. 7 Nina Wendling. Pass. Jana, last name begins 8 with a B. No. Bruce Seiler. 9 MR. SEILER: I live at 8310 North 199th I lived in the northwest part of 10 West, Colwich. 11 Sedgwick County all of my life. 12 THE HEARING OFFICER: Pardon me, sir, 13 would you please spell your name. 14 MR. SEILER: S-E-I-L-E-R. My wife 15 Theresa and I operate our family farm which sets above the Equus Beds aguifer. We depend on the 16 17 Equus Beds for domestic and irrigation water. 18 As such, we recognize the importance of 19 maintaining the quality and quantity of water in 20 our aquifer. We have invested time and money to 21 ensure that our farm uses water in a very 22 conservative water. All 20 of our irrigation 23 systems have been updated with the most 24 efficient nozzles available. We use application 25

as a way to further conserve our water.

water permits that we utilize have a total of 2,366 acre feet of authorized annual water usage. However, our average usage has been 1,063 acre feet, which is less than 45 percent of our allocation.

We realize that our crops require more than that amount of water and we are grateful and blessed for rain as our alternative source of water for our crops.

Furthermore, the majority of our farm ground has a water table at five to 20 feet.

And we recognize that a portion of the water we pump through our irrigation systems moves back through the soil profile to recharge the aguifer.

If we were allowed to operate under the same agreement that the City of Wichita is proposing, we would expect to be able to bank credits for our water that we did not pump, due to the use of our alternative water source, as well as the water that we are returning to the aguifer.

In turn, all users of the aquifer should be entitled to credits for that same reason. However, we are not asking for water

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credits of any kind because we believe that that would be detrimental to the sustainability of our aquifer. Why the City would ask for aquifer maintenance credits when the aquifer is too full to accept recharge is unfathomable. If the aquifer is too full at any time to receive more water, as it was earlier this year after an abundant rainfall, then clearly the recharge is unnecessary at that time.

Above normal rainfall is what refills the aquifer most efficiently. If the City does not return water to the aquifer, it should not receive credit. No one should be allowed to claim credit for acts of nature. We are opposed to the City of Wichita's plan that would allow them to draw extra water from the aquifer in times of drought due to these artificial credits. During a drought everyone will need extra water, not just the City of Wichita and their customers. Thank you.

THE HEARING OFFICER: Thank you, sir.

Greg Gleason. Pass. Stan Jost. Pass. Bryson

Earl. Maybe I am not reading that right? Pass.

Edward Weber.

MR. WEBER: My name is Eddie Weber my

address is 7 Lesley Lane, Halstead. My family and I are water right holders and are residence of the Equus Beds aquifer. We own or manage water rights from index well number 2. On the northern fringe of the well field through index well 34 on the southern fringe of the well field.

The City of Wichita has the reputation of being an 800 pound gorilla. The Wikipedia's definition of an 800 pound gorilla is an American English expression where a person or organization so powerful that it can act without regard to the rights of others or the law.

This phrase reminds me of a riddle.

Where does an 800 pound gorilla sit? The answer is, anywhere it wants to. In the case of the City of Wichita acting as the 800 pound gorilla one may change this riddle up a bit and say where does the City of Wichita get its water from? The answer, anywhere it wants to.

What I see as the biggest concern is the chloride plume from the Burrton area and the natural intrusion from the Big Arkansas River.

What the City is proposing has no regard to the concerns. If anything, it will only increase

the problem when we get in to a drought situation, whether it be just a significant drought of 2011 and 2012 or a 1% drought.

I feel that if we don't address the realization of the chloride plume contaminating the well field area we'll continually come back to the situation we have been in the last several years. And that is, fighting and not fixing the concern of contamination of chloride in to the well field.

My dad also told us in our family
meetings about our farming operation that if you
bring a problem to the meeting then also bring a
solution to the problem. So I would like to
throw out a solution. Can the moth ball Phase 1
be utilized as a method to withdraw water from
the nearby chloride plume in the Burrton area?
Can the water be treated or blended and sent to
Wichita? This method would lower the aquifer to
allow room for recharge credits from the
original bank storage wells along the Little Ark
and the northern area of the well field.

Would this, over time, dilute the chloride plume as natural recharge replaces the chloride contaminated water that was withdrawn?

70 1 Would this create more storage in the aguifer of 2 good water? 3 In closing, Ms. Owen, I would like to 4 state that the City of Wichita doesn't have the 5 best track record of accurate projections or 6 There is too much at risk here to be forecasts. 7 There have been good and talented people wronq. on both sides of the room this week, but I would 8 9 hope and pray that your recommendation to the chief engineer is to deny this proposal and send 10 11 it back to the drawing board with solutions to 12 the chloride plume. Thank you. 13 THE HEARING OFFICER: Thank you, sir. Tim, were there more sheets? 14 Thank you. Terry 15 Last name William, first name begins Jacob. 16 with W. I can't read it. No. Dan Dyck. 17 MR. DYCK: I came here a little late, 18 but our family --19 THE REPORTER: Sir, can you spell your 20 name. 21 D-Y-C-K, Daniel Dyck. MR. DYCK: 22 Sorry for THE HEARING OFFICER: 23 mispronouncing it. 24 Happens all the time. MR. DYCK: 25 family lives in Hutchinson but our family has an

1	interest in the Halstead area, I have farmland
2	here, we have had interests here for over 100
3	years. And I negotiated an injection well with
4	the City of Wichita many moons ago. And I
5	remember I also got up and spoke and my, one of
6	my main concerns is water has a value. And at
7	that time when I spoke I, I said, is there a
8	formula, if the City of Wichita takes the water,
9	too much water, is there a formula to help those
10	that have the earlier numbers for a water
11	rights? And at that time they, the City, just
12	said, oh, there is no need for that, we have it
13	all worked out, we have a web page you can see
14	that we are not going to do any harm, et cetera.
15	And as I said, my point is, it looks like there
16	has been some, and I know it has been quite a
17	few years ago, but that there has been some
18	mission creep where the City of Wichita needs to
19	change the rules. And so my main point is, I
20	feel that there should be a formula, if they
21	start damaging crops or other industrial
22	interests there should be a formula to help
23	those with the senior rights financially.
24	So basically that's what I have to say.
25	Thank you.

72 1 THE HEARING OFFICER: Thank you. Josh 2 Mueller. 3 MR. MUELLER: Good morning. I will 4 make my comments pretty short. I don't have a prepared statement. A little bit of my 5 6 background, our family farm ranches in the area 7 pretty much of all within the Equus Beds. feed and run several cattle in the area so we 8 9 have several stock wells around also. And with my basic, all of my immediate family living 10 11 within the Equus Beds also, I guess really water quality is an issue that I think is on the top 12 of all of our minds, number one. And with the 13 14 project in mind further depletion and serious 15 depletion of the Equus Beds can cause some serious water quality issues and especially for 16 17 our immediate community. I guess that would be 18 my number one concern. And then as well the land and the 19 20 livestock I mean obviously that's our 21 livelihood. So I think in severe cases what we 22 have been discussing and talking about the last 23 several months or over a year, there could be 24 serious repercussions for that. Basically 25 that's all I have to say.

73 1 THE HEARING OFFICER: Thank you, sir. 2 MR. BENDER: I quess I am next. 3 THE HEARING OFFICER: Are you Jeff Bender? 4 MR. BENDER: Bender, B-E-N-D-E-R last 5 6 name, Roman numeral III. I am not here 7 representing the Harvey County Planning Commission, although I am a member of that 8 9 commission. I have been on that commission for 10 11 years. And part of our duties as 11 commissioner is to have a comprehensive plan for development of the county in a uniform way, the 12 13 way that will benefit the county. A lot of 14 people in Harvey County are not on a water 15 system served by the city of any of the cities within the county. A lot of us have wells. 16 17 With my property just east of here I 18 have approximately 125 trees, I have a pretty 19 nice garden, on about three acres. And I have a 20 lot of farmers that live near me and they use a 21 lot of water. I have been involved in this 22 matter for a few years, I actually testified 23 before the Water Board in Manhattan a couple of 24 years ago. And at that time I expressed a 25 concern about what was being proposed by

Wichita. I still have that concern. 1 I am concerned about the quality of 2 3 life, what will I do for water if my water dries 4 up because of what is being proposed? 5 Approximately, I don't know, five or six years 6 ago, my water table dropped considerably. 7 very little water pressure to supply my household. Luckily, since then the water level 8 9 has gone up. And I have been able to use my well water for both my yard use and my household 10 11 use. 12 I wish to express to you the fact that 13 I am not the only person in this county, as you 14 well know, that have these concerns. I ask for 15 you to consider our comments in a very serious The future of this county is at stake. We 16 17 don't want to be known as the desert of South 18 Central Kansas. Thank you. 19 THE HEARING OFFICER: Thank you, sir. 20 Charles Esfeld. 21 Good morning. My name is MR. ESFELD: Charles Esfeld, spelled E-S-F-F-E-L-D. 22 I live 23 at 4316 South Halstead Road. If he is next it 24 looks like I am last. 25 I have sat through some of the three

days of testimony and then through the comments 1 2 today and something that I have not heard 3 mention is a possibility of trying to stop that 4 salt plume. And I don't know what has been done out there before in the area, I have done work 5 6 in the area oil field 30 or 40 years ago, but I 7 don't know what's happening out there now. 8 to relay, well, I lived in Great Bend and we had 9 farm ground on the outside edge of Great Bend 10 and there is a salt plume along the drywall of 11 that creek at Great Bend. And we knew it was there in high school, we were farming on one 12 13 piece of ground and eventually after my dad got out of it. Well, we had the ground and it 14 15 crossed the road and got in a well on the other 16 side of the road. And unfortunately we got 17 caught in to the groundwater controller bottoms, 18 that's one third, and that's every year, not 19 just when it's dry. So that well is not going 20 to be redrilled, dry land on that. 21 When that was happening I visited with 22 a man named Errol Clark (ph) and some of you may 23 know him. I don't know if you ever worked in 24 this area. But he did well water work in Kansas 25 City helping cities and irrigators with wells

and installations. And I asked him about the salt plume on the north edge of Great Bend. He made the comment if you want to find it you just hire us and for enough money we'll find it.

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With the testing and drilling capabilities today, compared to 40 years ago, a water driller here now that could probably tell us what it would take to take a water well rig and grid that area and drill it. I think there are testing companies in Wichita that might test that and be able to trace those saltwater leaks back too whichever well it's coming from. EPA does it. They will show you where somebody poured five gallons of oil on the ground and they have testing to show that now.

So my recommendation would be to back up and see where it's coming from and see if we can solve that particular elephant in the room and then still have to contend with Wichita.

Thank you very much.

THE HEARING OFFICER: Thank you, sir.

Those are all the names that I have so far. Is there anyone else that would like to speak?

Please do, sir. Please let us know who you are.

MR. JACKSON: My name is Alan Jackson,

I passed earlier. I live at 2009 South

Hershberg Road, Main Street in Halstead. I am a

very mall irrigator. I promised myself I

wouldn't speak today, but listening to the

gentleman from Farm Bureau I changed my mind.

I can't add anything more to the immediate facts at hand. I have listened to the testimony through the week and what I wanted to add is a note of caution. To give you a little bit of background why I add that, in my past life and my license is now retired, but I was a licensed mechanical engineer for 35 years. I have had responsibility of daily management of a \$20 million product line for quite a few years. And with that I understand the business side and the responsibility you have as a businessman to take advantage of any opportunities that are provided you.

In listening to the testimony this week we have had some unintentional consequences of the rules we have set forward. One is the gentleman in Farm Bureau suggested was if we allow the changes what requirements are there to actually do a recharge? I hadn't thought of that, but that would a possible, an

unintentional consequence of a rule we tried to improve things, and maybe didn't.

Earlier in the week Wichita's made the comment several times that they would be required to withdraw their credits early because of the lower level set. And I have to give everybody credit for being upfront with the process when it was decided earlier, but that's an unintentional consequence.

If I understand their logic, it would be to be concerned that they couldn't recover those credits at a later date because the water level is too low, so they used them early, they would pump additional waters from the Equus Beds, and I couldn't understand how that was a gain, but the gain probably, and again I am not an expert, would be to leave water in Cheney to do that.

As the result they would have an opportunity to go back later to get that water from Cheney. Unfortunately that water is subject to evaporation and other losses more so than the Equus Beds. So we have created, through our rules, with good intentions on both sides, a situation where in the long run we have

really done ourselves a detriment.

At the same time and I have had the privilege of being able to understand a little bit of the lingo. They talk about modeling and in a different life and environment I have done a little modeling, and one of the modelers said he run a 150 plus scenarios. I understand that. You don't guess at the best possible solution, you try to get close to it, and then you run a bunch of scenarios on both sides. You actually look at the whole area of where you think the best solution is and pretty soon you start finding other opportunities. You educate yourself and you continue to try to improve the best optimum results.

So as we change our rules, assuming that we do, you have to understand that as a responsible, that it's a responsibility to the people of Wichita, and the City of Wichita has the resources to do this, to absolutely carpet bomb that area with analysis to make sure that they are using whatever rules are given to their best possible ability.

So even though we do it with best intent, I trust Wichita to be coming to us with

80 their best intent, because they have 1 2 responsibilities, too. You need to be cautious 3 what changes we allow that we don't create a 4 situation where we have unintentional losses 5 where we try to get gains. Thank you for your 6 time. 7 THE HEARING OFFICER: Thank you, sir. 8 Is there anyone else that would like to speak 9 this morning? Yes, sir. 10 Sorry, I hadn't signed MR. SARANCHUK: 11 My name is Ted Saranchuk, in yet. S-A-R-A-N-C-H-U-K. I hadn't planned on saying 12 13 anything this morning. And I live at 3302 Dartmouth Road, Hutchinson, Kansas. I am within 14 15 the city limits, I am not a water rights holder. However, I have heard several references to the 16 17 salt plume here in Burrton. There is an ongoing 18 effort that has started to mitigate that. 19 think one of the things that needs to be done is 20 to bring that to the forefront of the 21 legislatures in this state. Thank you. 22 THE HEARING OFFICER: Thank you. 23 Anyone else? I know it's 11:00 o'clock but we 24 can keep going. Okay. Well, thank you very, 25 very much. I sincerely appreciate the time.

know many of you have taken time off work and sacrificed and traveled to get here and I really appreciate that. I value your input very highly. I will consider it very carefully.

I have my own notes and I will have the transcripts of what you said, so that I won't miss anything. If you would like to submit more comments at any time, that's perfectly fine.

The previous orders about this hearing indicated that January 17 was the last day to submit written comments. That is no longer true because the hearing didn't finish up yesterday and we have to continue it another day. We'll continue to accept written comments until a point in time after that formal phase is over.

So please be aware that that January 17th deadline no longer applies. So with that being said, thank you very much for coming and for being concerned and participating. I am very grateful. And right now it's about 11:05 and we'll adjourn for today.

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    STATE OF KANSAS)
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                     I, Rachelle Smith, a Certified
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    Shorthand Reporter within and for the State of
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    Kansas, certify that the foregoing is a full and
    correct transcript of all the oral evidence and
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    oral proceedings had in this matter at the
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    Kansas Supreme Court, No. 0864. Expires June
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