## KANSAS DEPARTMENT OF AGRICULTURE BEFORE THE DIVISION OF WATER RESOURCES

In The Matter of the Designation of the Groundwater Management District No. 4 District-Wide Local Enhanced Management Area (LEMA) in Cheyenne, Decatur, Rawlins, Gove, Graham, Logan, Sheridan, Sherman, Thomas and Wallace Counties in Kansas.

PROCEEDINGS had before CONSTANCE C. OWEN, Hearing Officer, Division of Water Resources, Kansas Department of Agriculture, in the Cultural Arts Center at Colby Community College, 1255 S. Range Avenue, Colby, Kansas on the 23rd day of August, 2017 at 9:00 a.m. and reported by Marilyn F. Bailey, CSR, RMR, CRR, Colby, Kansas.

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Good morning.

Thank you all for coming this morning. My name is Connie Owen and I'll be serving as the Hearing Officer this morning. I have a few preliminary comments before we will accept information from the agencies and people who are here to make

presentations and share their comments today.

HEARING OFFICER OWEN:

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For the record, this hearing is being conducted for the proposal for a Local Enhanced Management Area District. The title of which is In the Matter of the Designation of the Groundwater Management District Number 4
District-wide Local Enhanced Management Area in Cheyenne, Decatur, Rawlins, Gove, Graham, Logan, Sheridan, Sherman, Thomas and Wallace counties in Kansas.

We are at the Frahm theatre at the Arts and Cultural Center in Colby, Kansas. Today's date is August 23rd, 2017. This hearing was scheduled to begin at 9:00 a.m. It is now 9:08.

We have a court reporter present to record today's proceedings. There are sign-in sheets in the lobby that I think you probably all saw. If you're here to attend and listen, thank you, and I hope you signed in. If you would like to offer

public comment a little bit later in the proceeding, I hope you signed in too, because I need a roster of the people that want to comment.

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If you signed in to comment, and you changed your mind, that's okay too. I'll call out the name later and you can certainly pass if you changed your mind.

The sequence of events this morning is first we will hear from the Groundwater Management District and any witnesses or evidence they have. Then we'll hear from the Division of Water Resources, and any other entities that have signed up to speak. And then we'll hear from members of the public. And there's a microphone down here in front of the stage when we get to the members of the public segment of our hearing.

People who wish to submit written comments may do so today, or they have -- you have until September 13 to submit written comments. That means the comments need to be received by DWR before the end of the day on September 13. They can be mailed, they can be e-mailed. And there are representatives from DWR here today that can tell you the specifics of that if you need to know. They were also published in the notice of

hearing that was published about today's date.

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After the close of business on September 13, there will be no more comments accepted for the purposes of today's hearing. Should the LEMA process continue, there will be opportunity for public comments in the future.

Under the LEMA statute, K.S.A.

82a-1041(b), this hearing can only address three specific matters of fact. This hearing does not get into whether or not a LEMA should ultimately be approved. This hearing does not address the proposals or corrective controls. The only thing this hearing can address are the three statutory preliminary facts that have to be established for the process to continue.

In brief, those three issues of fact are:

Whether one or more of the circumstances
specified in that (a) through (d) of K.S.A.

82a-1036 apply. Basically, is there a need?

The second is whether the public interests, as described in K.S.A. 82a-1020, requires that one or more corrective control provisions be applied. In other words, is it in the public interest to have any corrective controls to address the need?

And third, whether the geographic boundaries are reasonable.

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Those are the three things that we cover today, and those are the only three things we cover today.

At the beginning of each speaker's time I would like the speakers to identify themselves. If they're representing an agency or an entity, I'd like them to identify that. When members of the public come up I'd like you to please give your name and address and then we'll be happy to hear your comments and your information. The agencies and entities are invited to come up on the stage so that it's easier for the members of the public to hear what they have to say, and for our court reporter to understand what they have to say.

So we will begin with Groundwater Management District, so GMD4, you're at the plate.

RAY LUHMAN: Okay. My name is Ray Luhman.

I'm the manager of Groundwater Management District

Number 4 here in Colby. We have provided the

Hearing Officer and DWR with our written

testimony. I will go over that. I have a little

bit to add at the end and then I will stand for questions if you have any.

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This written testimony is from the Northwest Kansas Groundwater Management District Number 4. It, again, addresses the following questions that you had already noted that you can take into account.

Number one, whether one or more of the circumstances specified in section (a) through (d) of 82a-1036 exist. These circumstances are whether the groundwater levels in the area are declining or have declined excessively.

The rate of withdrawal of groundwater within the area in question equals or exceeds the rate of recharge.

The preventable waste of water is occurring or may occur within the area.

And unreasonable deterioration of the quality of water is occurring or may occur.

Groundwater levels in GMD4 are declining or have declined excessively. Townships used in those calculations which were based on the KGS section level data have at least 15 foot of saturated thickness in the GMD areas marked as red, yellow or purple. And that would be in the

testimony that I had given which is part of the actual proposal. Those are -- there's at least .5 percent annual decline in the aquifer over an eleven year period.

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Therefore, groundwater levels are declining excessively in those areas. Townships exhibiting less than .5 percent decline rate have no restrictions proposed, only additional monitoring criteria.

The rate of withdrawal of groundwater within GMD4 equals or exceeds the rate of recharge. Specifically Kansas Geological Survey data estimates the District-wide recharge at 126,910 acre foot to 160,320 acre-feet.

And again you can see our attachment to our testimony.

District-wide water rights have been allocated at approximately 848,500 acre-feet to be allowed to be pumped. District-wide yearly pumpage range from 307,051 acre foot to 539,567 acre foot from 2009 through 2015. Therefore, there was an excess of between 688 and 721,000 acre foot allocated and recharged. And between 146,000 and 412,000 acre foot of water pumped more than recharged in the period 2009 through 2015.

The second question is whether or not the public interest of K.S.A. 82a-1020 requires one or more corrective control provisions.

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The 82a-1020 is the legislative declaration relative to establish the groundwater management districts in Kansas. It declares that in the public interest it is necessary and advisable to permit establishment of GMDs which allow local water users to determine their own destiny with respect to the use of groundwater, insofar as that destiny does not conflict with the basic laws and policies of the state.

So long as the LEMA process comes from the local board of directors and whatever corrective control provisions are requested out of that process are consistent with state law, we contend that the public interest of K.S.A. 82a-1020 has been satisfied.

With a little bit more detail, the

District-wide LEMA process was presented to the

public at two different public meetings, multiple

GMD4 meetings with many interested people

attending between January 15th -- or January, 2015

and June, 2017. This represents significant

public involvement in the process that resulted in

the locally developed and locally requested plan that the chief engineer is hearing today.

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You know as kind of a side note, this past February we had our annual meeting in Goodland. At that meeting we had three board of directors positions up for election. One seat was unchallenged. The other two seats had challengers. Each seat that had a candidate that supported the District-wide LEMA and one that opposed the District-wide LEMA. The candidates supporting the District-wide LEMA were voted into office in excess of 60 percent of the votes.

Again, there's an attachment in the -- in the testimony that we provided.

In any event, GMD4 has provided GMD4 water users information very early in the discussion of a District-wide LEMA. The evidence provided the water users showed that adopting and implementing corrective control provisions that would reduce water use and would extend the life of the regional aquifer.

Additionally a web page was created to

keep the process available to the public and was updated regularly by the GMD4 staff. Beginning in January of '15, the process was covered by at

least 28 board meetings.

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Along that line I have some additional testimony that does not at this time exist in our written testimony we provided. From the Groundwater Management District management plan, there is a section that -- that states that the public interest, or it handled -- or -- or deals with public interest. The Groundwater Management District Act made a state policy that the board, that the local landowners and water users were to determine their own destiny in regard to Groundwater Management District so long as local decisions are consistent with state law. In this spirit the management program is being written to embody the more local definition of public interest which the board believes is the best for the landowners and the water users of this GMD, and hence, best for the state of Kansas.

Furthermore, in our management program, one of the policies or programs we have is the direction and influence of existing development.

This -- this particular sub problem of depletion may necessitate policies encouraging and mandating higher efficiencies of water use along the efforts that reduce consumptive water use.

So we would maintain that it is also in the public interests as per our management program that we propose this District-wide LEMA.

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Then the final question to be answered was whether or not the geographic boundaries are reasonable.

The proposed LEMA has very definite boundaries. Those boundaries being the entire area of Groundwater Management District 4.

We kind of go into some detail in the written comments about how the District was formed and that type of thing. Basically, they're not germane to this particular issue. But it does pertain to the entire Groundwater Management District boundaries.

Now within these larger boundaries of the District there are sub-boundaries. These boundaries are each township within the District. Each township was analyzed for its respective annual decline rate from 2004 through 2015, using KGS section level data. Based on this decline rate various restrictions in pumping are proposed.

These restrictions are based on zone values for the District. The zoned values being based on the Natural Resource Conservation Service

Net Irrigation Requirements. And we have cites in the written testimony that direct you to the background information on the development of the Net Irrigation Requirements.

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The State of Kansas has used these NIR amounts since at least 1994 and referenced the NIR amounts in at least K.A.R. 5-5-9, K.A.R. 5-5-10, K.A.R. 5-5-11 and other regulations. The GMD Board, or 4 Board used the NRCS, Net Irrigation Requirement, for 50 percent and 80 percent values for corn by county. The 50 percent net irrigation represents the net irrigation requirement for corn that would be sufficient in five out of ten years, which is considered to be normal, based on precipitation that would be expected in that five year period.

The 80 percent NIR represents the net irrigation requirement for corn, which will be sufficient in eight of ten years, considered to be a dry year number, and that, again, would be based on the precipitation that would be expected in eight out of ten years.

These figures were interpolated to derive

a value at the western edge of each zone within

the District. Townships exhibiting greater than 2

percent annual decline rate were assigned the 50 1 2 percent net irrigation requirement for corn by Townships exhibiting between 1 and 2 3 percent annual decline rate were assigned the 80 4 percent net irrigation requirement for that zone. 5 Townships exhibiting between .5 and 1 percent 6 7 annual decline rate were universally assigned an 18 inch allocation District-wide. Those townships 8 that are below the .5 percent decline rate will 9 not have restrictions on their diversions imposed. 10 The only provisions of this request that will 11 12 apply to them are the increased compliance and 13 enforcement. 14 The GMD4 Board determined the townships

The GMD4 Board determined the townships with less than .5 percent annual decline appropriate, because 75 percent of the saturated thickness in those areas will remain in 50 years. Given the limited five year scope of this proposal, the GMD4 Board deems such decline rates are acceptable for now.

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In addition, we are currently proposing that stockwater rights be restricted based on their zones. Livestock and poultry use will be restricted to 76 percent of the quantity of water deemed to be reasonable for livestock and poultry

in K.A.R. 5-3-22 in townships greater than 2 percent average annual decline. By the way, we don't have any facilities in those townships.

And 85 percent of that same amount would be the average annual decline -- would be set for the township with average annual decline between 1 and 2 percent.

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And that's based right now on the -- on the permit in effect December 31st, 2015.

I think there is a possibility that if this procedure goes forward, that the District may make some testimony at the second hearing requesting some revision in that stockwater use. But that's -- that's kind of an issue for a later date.

In sum, we contend that the majority of the invested persons were made aware of the process and invited to participate. That the public had ample time to discuss the issues brought up. That the GMD4 staff appropriately facilitated the meetings and discussion resulting in a LEMA proposal that has been locally crafted and adopted by the board of directors. And that the public interest as envisioned in 82a-1020 will be served by the adoption of these corrective

control provisions included in a District-wide 1 2 LEMA. That concludes my testimony. I will stand 3 4 for questions. HEARING OFFICER OWEN: I don't believe I 5 have any questions at this time. 6 7 RAY LUHMAN: Okav. HEARING OFFICER OWEN: Thank you very 8 9 much. RAY LUHMAN: Okay. If I can get back down 10 11 the stairs I got her made. 12 HEARING OFFICER OWEN: The next agency 13 that I'll invite to the stage will be Kansas 14 Geological Survey. 15 BROWNIE WILSON: My name is Brownie 16 Wilson. I am the Geographic Information Systems 17 and Support Services Manager for the Geohydrology Section at the Kansas Geological Survey. 18 The KGS is a research and service division 19 2.0 under the University of Kansas and has been 2.1 directed by the Kansas Water Plan to provide technical assistance to the three western 2.2 23 Groundwater Management Districts, the Kansas Water 24 Office, and the Kansas Department of Agriculture Division of Water Resources, in the assessment, 25

planning and management of the groundwater resources of western Kansas.

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At the request of GMD4 in May of 2016 the KGS looked at the changes in the saturated thickness of the Ogallala/High Plains aquifer from 2004 to 2015, within the District boundaries.

The saturated thickness is defined as the thickness of the aquifer in which the pore stages are saturated with water. For the High Plains aquifer this is the difference in elevation between the underlying bedrock and the water table for a given year.

In northwest Kansas the bedrock surface is typically composed of shale layers underlying the unconsolidated aquifer sediments. Because of its impervious nature to groundwater flow, the bedrock In 2006 represents the bottom of the aquifer. the KGS reviewed the lithologic descriptions from tens of thousands of driller's logs and published updated maps of the Ogallala bedrock surface across western Kansas. And I have those references at the back of the written testimony. Each year the KGS and the Kansas Department of Agriculture Division of Water Resources measures the depth to water from a

network of approximately 1400 water wells across the High Plains Aquifer as part of the state's Cooperative Water Level Program.

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Customized software developed by the KGS coupled with Global Positioning Systems data is used to make sure the same wells are visited each The majority of water level measurements are taken in late December and early January using steel or electric tapes with precisions down to the hundredths of a foot. Measurements are field checked on-site at the time of the visit to ensure locational accuracy and that the current measurement is in --within historical trend -- the historical trend of past measurements. Additional statistical and GIS reviews are conducted later to identify abnormal or anomalous measurements. deemed necessary well sites will be remeasured the same day or within a month, depending on the circumstances.

Cooperative Water Level Program, along with additional measurements from local, state and federal sources are stored and served online through the KGS' Water Information Storage and Retrieval Database, called WIZARD. WIZARD evolved

from the U.S. Geological Survey's Groundwater Site 1 Inventory in the mid 1990s, and today represents 2 the largest repository of depth-to-water 3 measurements in Kansas. 4 Well site locations in the High Plains 5 Aguifer and their associated water-level 6 7 measurements were downloaded from WIZZARD to estimate the water table elevations for the 2004, 8 9 2009, and 2015 calendar years. The well site locations, based on their listed geographic 10 coordinates were spatially mapped into the ArcGIS 11 12 software platform, a GIS mapping software. Within 13 GMD4 all of the measured well locations used in this project have been surveyed with hand-held GPS 14 15 units, which typically have horizontal accuracy 16 ranges of 12 to 40 feet. The WIZARD database contains codes 17 indicating the status of the site at the time the 18 water level was measured. Most of the water level 19 2.0 measurements across GMD4 were taken in late 2.1 December and early January and contain blank or null status codes indicating static or near static 2.2 water level conditions. 23 24 Past water level measurements that were coded to be anomalous from previous statistical 25

and geostatistical reviews were not included in this project along with measurements taken from locations where the well was obstructed, was pumping at the time of the measurement, had recently been pumped, or had nearby sites that were being pumping -- that were pumping at the time of the measurements.

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The water level measurements were used to calculate the three year average winter depth to water at each site location -- at each well site, centered on the calendars years of 2004, 2009 and 2015.

For example, a well's three year average winter depth of water for 2004 are based on measurements taken in the months of December, 2002, January, 2003, February, 2003, December, 2003, January, 2004, February 2004, December, 2004, January 2005 and February of 2005.

Given most wells are only measured once a year, most of the well sites averages are based only on three measurements. One for each year in a three year period. Although some could contain over ten additional -- over ten individual measurements depending on the frequency a well is measured. The three year average water table

evaluations for 2004, 2009 and 2015 were then computed by subtracting the average depth-to-water values from the land surface elevation listed at each well location.

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Three year winter averaging of water levels help smooth out single year variations in the water table caused by late or early season pumping, and allows for more well sites to be used for temporal reviews of water levels over decadal periods. For this project, only wells containing a computed three year winter average water level centered on the calendar years of 2004, 2009 and 2015 were considered. If a well site was missing a three year average value for one of these target years it was removed from the data set.

In addition, only wells in and within 20 miles of District boundaries were selected for further analysis. Under these selection criteria, 328 well sites were used with 277 of them located within the boundaries of GMD4.

To estimate the water table evaluations across GMD4, the well sites and their respective three year winter average values of 2004, 2009 and 2015 were interpolated into continuous water table services using ArcGIS's "Topo to Raster"

interpolation routine. Topo to Raster is an 1 2 interpolation method specifically designed to create digital elevation models. For this project 3 the interpolated surfaces were composed of uniform 4 grid cells, 250 by 250 meters in size, each 5 containing the estimates of the water table 6 7 evaluations for 2004, 2009, 2015. Within ArcGIS a polygon layer representing 8 the Public Lands Survey Systems, PLSS sections, 9 were overlain across the interpolated water table 10 The mean interpolated water table 11 surfaces. 12 elevation, based on the cells occurring within 13 each PLSS section was computed for 2004, 2009, and In a similar manner, each PLSS section had 14 the mean bedrock elevation assigned from 15 16 interpolated surfaces using published KGS reports along with the land surface evaluations downloaded 17 from the USGS' National Elevation Dataset. 18 GMD4 was provided a Microsoft Excel 19 2.0 spreadsheet and GIS files of the PLSS sections within the District, each coded with their average 2.1 land surface, bedrock 2004, 2009 and 2015 water 2.2 table elevations. Because the water table 23 24 elevations are based on interpolated surfaces from wells measured during each time period, the change 25

in the water table between those years and the saturated thickness can readily be computed at the PLSS section level.

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A review of the data was -- after a review of the data, it was mutually decided by GMD4 and the KGS to remove the well in Township 11 South, Range 27 West, Section 13. This well showed a significant water level decline from 2004 to 2015, not seen in any other well in the region over that same period, and was felt to be biasing the overall section-based estimates in the southeast portions of the District. The well was removed from the dataset and the interpolation process and assignment of mean values for the overlying PLSS sections was repeated.

A second review of the data centered on the possible influence of alluvial wells. The Alluvial aquifer systems are associated with stream deposits, are a relatively shallow, close to the land surface, and have highly connected ground and surface-water interactions. In past High Plains Aquifer water level mapping exercises, both alluvial and Ogallala wells were used to estimate water levels as the two systems are in hydrologic connection to each other. However, if

the hydrologic connection between the alluvial deposits and the underlying Ogallala aquifer is small or impeded by a low permeable formation between the two systems, the interpolated water table surfaces could be slightly elevated or there could be a more dynamic temporal change in the water table introduced by including shallower depth-to-water measurements associated with alluvial aquifers.

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To remove this possible influence, well sites coded as being screened solely in alluvial deposits were deleted from the dataset. If the geologic units were unknown or unlisted, wells that were located spatially within the extent of alluvial aquifer deposits or had drill depths less than 80 feet were individually reviewed relative to their surrounding neighboring wells. In these cases the wells were coded as being alluvial if their drill depths and past water level measurements reflected alluvial-type conditions.

A total of 60 wells were classified as alluvial with 11 being located within GMD4. All of these wells were found along the northern and eastern edges of the District. With these alluvial wells removed from consideration, the

interpolation process and assignment of mean values for the overlying PLSS sections was repeated.

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Figure 1, which is presented in the written testimony, displays the three year average saturated thickness of the aquifer by PLSS section for 2004 and 2015 calendar years with the alluvial wells excluded. The average saturated thickness for GMD4 was 76 feet in 2004 and 70 feet in 2015. The greatest areas of change in the water table occurred in the southwest portions of Sherman county where the average rate of decline from 2004 to 2015 was over 20 feet.

Much of Sherman county and portions of Thomas and Sheridan county averaged declines of 12 feet. The major driver for these water declines is groundwater pumping as illustrated by published reports which shows statistically significant correlations exists between annual water level change and the annual groundwater use across GMD4. Thank you for your time today and I'd be glad to answer questions or provide additional information.

HEARING OFFICER OWEN: Thank you. I don't have any questions at this time.

BROWNIE WILSON: Okay. Thank you.

HEARING OFFICER OWEN: And our next agency representative will represent the Kansas

Department of Agriculture, Division of Water

Resources.

LANE LETOURNEAU: Thank you. My name is
Lane Letourneau. I'm the Water Appropriation
Program Manager for the Kansas Department of
Agriculture's Division of Water Resources. I'm
here today to provide testimony in support of the
request by Northwest Kansas Groundwater Management
District Number 4 to initiate a full District
Local Enhanced Management Area.

As Mr. Luhman provided on the record, they provided us a copy of their plan, and after our review, we feel the request to initiate meets the standards established in K.S.A. 82a-1041, to start the hearing process.

We also feel the plan in its current form meets the requirements of K.S.A. 82a-1041 and K.S.A. 82a-744 requiring the chief engineer to provide due consideration to water management or conservation measures previously implemented by the water-right holder.

Because this plan provides allocations

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based on inches -- acre inches per acre, and therefore someone who is conserving, and they're already at or below the acre inches per acre, and below that threshold, a pumping reduction is not required. Therefore they're currently meeting the qoal.

And as the agency that administers the Kansas Water Appropriation Act and other laws applicable to water management, we fully support the local initiative to establish water management goals that conserve and extend the usable life of the Ogallala aquifer. We want to continue working with our stakeholders and be able to provide the conservation tools necessary.

And then lastly I want to say that this board needs to be proud of themselves for making the tough decisions now that will benefit future generations in northwest Kansas. Twenty years from now the people out here are going to look back and say, "Who did this for us?" And this board did it.

So with that I close.

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HEARING OFFICER OWEN: Thank you. I have no questions.

Are there any other state or federal

agencies or entities that are here to speak today? I don't see any on the list.

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The next entity I see is Scott Ross with the Water Rights Investigational Services.

Pardon me, we're adjusting the lights so we can see you.

SCOTT ROSS: I'm not much to look at. My name is Scott E. Ross. I'm a principal at Water Rights Investigative Service, LLC at 209 South Ash Street, Stockton, Kansas. But I'm here representing family ag and business interests of northwest Kansas.

I just want to very briefly express my concern for the development of this broad-based LEMA. As the name implies, LEMA is more the Local Enhanced Management Area. And I believe the initial development of this, I was involved in from basically the early 1990s through the adoption of the LEMA statutes in 2012, and I think the intent was always to have a smaller, more personalized local group develop processes that it worked so well. As an example of Sheridan 6 where a group of local users got together and formulated their plan and have made a great success.

And I believe that example can be used in

the future to develop other areas as the aquifer 1 sub units that have already been developed have 2 the potential of seeing that kind of progress. I 3 think the broad-based process of a District-wide 4 LEMA is probably wasting some effort that could be 5 used in a more localized setting. 6 7 I presented some written testimony, I'll leave that as consideration, and thank you very 8 much for your time. 9 HEARING OFFICER OWEN: 10 Thank you. 11 we're ready to go to the roster, members of the 12 public who signed up to speak. Forgive me if I 13 can't read your handwriting, I will read names and you're invited to come to the microphone. 14 15 you've changed your mind and you'd would rather 16 pass, that's okay too. 17 Shawn Hendrich? Do I have that right, sir? 18 John Hendrich, 19 JOHN HENDRICH: No. 2.0 Goodland. And I do not have any testimony to 2.1 give, I guess I signed the wrong sheet. I might 2.2 make some comments during the public session but I 23 have no testimony. 24 HEARING OFFICER OWEN: That's fine. And 25 the public comments is what this is for.

JOHN HENDRICH: Right. And I guess I want 1 to find out what all the information is provided 2 me before I say much. Thank you. 3 HEARING OFFICER OWEN: All right. Thank 4 5 you. So just to clarify, the presentations from 6 7 the governmental entities is over. So now is when it's time for us to hear from members of the 8 public who wish to speak. 9 The next thing on my list is Pat Haffner. 10 11 Do I have that right? 12 And before you start, sir, please tell us 13 your name and address. PAT HAFFNER: Pat Haffner. 14 I'm from 15 Hoxie. I'm here to voice my concerns about several things. But the main thing is the data 16 17 that this is being based on, and the boundaries. In my research and some other 18 research, I feel it's incomplete. Not -- there's 19 2.0 just not been enough work done to get the 2.1 boundaries right. I -- I don't know that we meet the criteria for -- for some of these statutes, 2.2 because of the -- there's -- there's a -- this 23 24 10 -- let me look at it here. 1036, "Groundwater

levels" -- "(a) groundwater levels in the area in

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question are declining and have declined excessively."

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Well I don't believe that's, when referring to the District unit, there are areas of decline. But there are some large areas that haven't.

HEARING OFFICER OWEN: I'm sorry, sir, I couldn't quite understand what you said regarding that.

PAT HAFFNER: Well, I'm reading 1036 -- 82a-1036, and it's supposed to meet these criteria that "groundwater levels in the area in question are declining or have declined excessively."

I agree there are excessive decline in areas, but there's a lot of areas where there isn't. And we're throwing the whole District into, you know, we just put the boundaries around the whole thing. And I believe it needs to be studied quite a lot more to find out where the boundaries really need to be and then we're taking townships instead of -- if we're going to do this right, I think we ought to go a lot more intensive measurements and things like that. I do believe if you go to the eastern part of the District, there's only maybe 16 wells that have ever been

monitored in that area. And some of there are alluvial.

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The other thing here is (b), "The rate of withdrawal and groundwater within the area in question exceeds the rate of recharge." Well, we can go back to some of these same areas, and I don't believe we can support that in some areas.

And then we go -- but what I'm -- what I'm trying to get to the point is, I believe we might be pushing this a little fast. I don't believe the data's there to support a lot of what's trying to be pushed through here. And in my opinion we ought to, if we're going to do it, we ought to have it right, we ought to have the boundaries right and we ought to know what we're really doing here. And I don't think we're to that point yet, along with a lot of questions about why and what for on some of this stuff.

Other than that -- I'll go through my Well, let's just leave it at that. notes. know, the question was whether one or more circumstances exist. Well, I think in our area there's not all the area --

(reporter asked for clarification)

I think there's areas that PAT HAFFNER: 1 2 you meet criteria in GD4, but there's a lot of areas you don't meet this criteria. And to throw 3 the whole District in, I think we're way off on 4 our boundaries. And that's basically all I need 5 to say today. 6 7 HEARING OFFICER OWEN: Thank you very much. 8 9 The next thing on my list is Ron Ball? RON BALL: 10 Pass. HEARING OFFICER OWEN: 11 Pass. The next 12 name is Mike McKenna. Again, please state your 13 name to make sure we have it right and where you live. 14 15 MIKE MCKENNA: Mike McKenna, Jennings, 16 Kansas. 17 HEARING OFFICER OWEN: Thank you. Please go ahead. 18 MIKE MCKENNA: I'm here representing a 19 2.0 property owner in Sheridan county. And I also 2.1 express concern over item 3, is whether or not the 2.2 geographical boundaries are reasonable. I don't believe GMD4 has demonstrated the 23 24 need for the townships that are colored in green and blue to be included in the geographical area 25

of the new proposed LEMA.

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I believe it will establish an additional level of regulation and bureaucracy that the operators and property owners in that part of Sheridan county will be exposed to.

Thank you for allowing me to address you today.

HEARING OFFICER OWEN: Thank you very much.

The next thing is Lori Wilson. Please state your name and tell us where you live.

LORI WILSON: I'm Lori Wilson. And we live Colby, southeast of Colby. Township is actually North Randall.

But this isn't really -- I'm not used to doing this kind of a thing, but I have a huge concern, and I know that restrictions are never fun for anyone, and nobody ever, I guess no one desires to be put under more restrictions.

But where we live on the -- on the, like, color-coded map that they sent out, like, we're on a, umm, like, where the water has declined quite considerably. And where we live, we can't go any deeper. Like, our home place, we're as deep as we can go for water, and we've drilled two different

wells on the place, and then we have access to a windmill south of Colby and access to a windmill that's just east of Colby. Both of them have been dropped 21 feet this year to keep pumping water for the cattle there. And I just think for the generations to come, for the livelihood of this -- of this county and just the whole District, we all have to do this for the best interests.

HEARING OFFICER OWEN: Okay.

LORI WILSON: Thanks.

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HEARING OFFICER OWEN: Thank you.

The next name is Chastity Mader.

CHASTITY MADER: Hi, I'm Chastity Mader, and we have ground that is north of Quinter in Sheridan and Gove County, both. My main concern is, I agree that we all need to do our part to conserve the water, because, you know, we live in a section of Kansas where the weather is not reliable to back us up and we need that access to the aquifer.

My concern though is what is being done to limit the water by town too? Because maybe I missed it in there, I was trying to re-read all that. But is there any restrictions coming down on the people who live in town too, or is this

strictly agricultural related?

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And if so, you know, from what I've been reading real quick, it doesn't seem like -- and I'm not trying to play, you know, rural versus town, I'm just trying to figure out where we're all standing, because we don't pump a lot of water. We have one circle that we irrigate. And we do our best to rely on the weather and turn it off when it needs to be turned off. We don't run it during the day. We run it at night to conserve evaporation.

We also try to -- we run a very small herd of stock cattle, and we're trying to do our best. I don't even water my lawn, it looks like a desert in there, and if it gets too bad, like if we have numerous days of hundred degree weather and we're not getting a storm coming through, that I might run our sprinkler system for our windbreaks, but that's it.

So I just kind of want to -- sorry, I'm kind of not used to doing this either. But I'm really concerned about, you know, I see a lot of things being done in certain towns and it seems like we are actually pumping way more water out than what we're doing.

And so I just want to know what's being 1 2 done on that end. Is it strictly rural that's, you know, that you're wanting to re -- how do I 3 4 say that? Sorry. You know, are we just strictly looking at the rural areas, or are we looking at 5 what our -- the actual town's doing, like the 6 7 bigger towns, like Hays or some -- I'm not trying to pick on them or anything, but just as an 8 9 example. That's what I want to know. 10 Oh, sorry. Blind me. There was actually something else. 11 12 Umm, on -- I don't know if you can answer

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Umm, on -- I don't know if you can answer this or point me in the right direction, but we were grandfathered in. We -- our farm had flood range -- or flooding done first before they switched over to a central pivot, and we were kind of grandfathered in under, you know, I think they had, like, 200 acres? I think we have just kind of right about a little bit under that. Is that going to change, like how much we're able to pump for that next year?

HEARING OFFICER OWEN: Actually these are questions I cannot answer.

CHASTITY MADER: Okay, well that's fine.

And, like, I didn't know, like, if it was in the

papers that we can access somewhere? 1 2 HEARING OFFICER OWEN: I'm sure you can get answers. Check with your Groundwater 3 Management District people because they will be 4 able to answer those for you. 5 CHASTITY MADER: Okay. And you know, 6 7 just, I totally get the conservation part, I'm not trying to start anything here. 8 9 Thank you very much. HEARING OFFICER OWEN: 10 Thank you. The next name on the list is Harold 11 12 Murphy. Will you please tell us your name, sir, and where you live? 13 14 HAROLD MURPHY: I'm Harold Murphy. south of Selden. Of course, I'm in the LEMA. 15 16 I'm wanting to address a concern dealing with what Ray brought up earlier about the 17 boundaries and livestock operations. 18 I'm only -- the livestock operations I'm 19 2.0 kind of lumping in as an example. But Ray brought up about the boundaries 2.1 2.2 being by the township. Now my understanding is, is that where we've already been in the LEMA, 23 24 that's been factored in, and we'll still have our 25 LEMA.

But what I want to point out is, for 1 instance, I live in what's called Parnell 2 Township. Originally that was east and west 3 So if you went by the township, it would 4 Parnell. almost extend across the county. 5 And what I'm wanting to use is this factor 6 7 of within a couple, two miles, you can have wells pumping, say, 200, 250 gallon, and 500 gallon. 8 9 And one of the provisions that we've been under, and I gather we'll be in the new one, is us being 10 11 able to lump wells together as part of management 12 in dry years, and so forth. 13 That can be -- have consequences in the 14 sense that if enough is lumped together, you're 15 literally pumping out from underneath your 16 neighbor. 17 And the reason I bring this up is, something that I have never heard addressed at 18 these meetings, is that when, you know, the public 19 2.0 can state here, or holding hearings, in a sense we're having a contract, whether it's oral, 2.1 2.2 written or not. It's implied. And the reason I 23 bring this up is, and I'm going to quit here, I 24 would urge everyone to read the front page of Sunday, August 20th of the Hays paper of what can 25

happen.

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Going back to the livestock operations.

This is what can happen in many instances of what we're trying to deal with. Of special privileges, if you want to say, or exemptions to whether it's livestock, cities, so forth. And that's really all I have to say. Thank you.

HEARING OFFICER OWEN: Thank you very much.

And the next one is Greg Cure. I see none.

Bert Stramel. Do I have that right?

BERT STRAMEL: Yep. I'm Bert Stramel. I farm just south of Colby.

I've followed this LEMA process pretty intensively for the last year or so. And it's a very complicated issue, and it's very difficult for somebody that hasn't followed it for this period to understand what some of the restrictions and some of the implications that this has.

That's why the informational meetings that the Groundwater Management District had before this were so terribly ineffective. There's so many people with so many more questions that nobody is totally familiar with this plan. And

we're talking about billions of dollars in the local economy that this could affect.

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The way the LEMA was started in the beginning, it was not in the spirit of how the LEMA rules were designed. I worked intensively with Farm Bureau to get this LEMA process opened up, and it was meant for locals to submit in a smaller area to the chief engineer through the GMD4, or through a GMD. And this has been more of a GMD designed plan that has been forced upon the irrigators -- or against the water users, I should say.

And don't get me wrong, I wholeheartedly believe we need restrictions in the entire District. We've had 30 plus inches of rain this year, and people are still watering. I have neighbors that have never shut a pivot off throughout this whole year. And so if -- if that kind of rain and that kind of moisture doesn't get some people to shut down, I don't know what will.

My problem with this is that it also takes, or at least denies access to a private property right. It also goes retroactively and takes away some possibility of wetted acres that were not established before 2015, even though

today that is still acceptable under the current 1 rules. 2 Throughout this whole process boundaries 3 were drawn and changed multiple times. 4 were added and subtracted, and the map was moved 5 And in my opinion, this is just my around. 6 7 opinion, it was manipulated in order to get the most amount of votes in order for passage. 8 9 I also heard today testimony that they were trying to tie the votes of board members to a 10 support of the LEMA, and I find that highly 11 12 offensible. There were so many more interactions 13 or different personality issues, you're voting for 14 a Thomas County representative and Sherman county. 15 There's so many more influences that it 16 would be a terrible stretch to say that was a vote 17 in support of the LEMA. 18 Thank you. 19 HEARING OFFICER OWEN: Thank you very 2.0 much. And the next name is Jon Friesen? 2.1 2.2 JON FRIESEN: Jon Friesen, Colby, Kansas. 23 Okay? J-o-n.

My first point is the protection of the

actual water right. Okay?

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Now I stand there even

though we don't have full use of our water rights 1 2 today, we still need to protect our water rights, and any time we allow bigger government to take 3 4 part of that and change that. I think that's an admiral goal to try to keep the protection of 5 them, okay? 6 7 I served 12 years on the GMD Board here. I fought for those water rights all through those 8 9 12 years. We've referenced from the GMD Board, from 10 the GMD staff here earlier that we had an annual 11 12 meeting. We had a contested election, first time 13 that I ever can remember in history. 14 Oddly enough, yes, it was a contested 15 election. I want to go on record that the vote 16 count was done by the board attorney and Tracy 17 Streeter at the Kansas Water Rights. The reason to throw a reason of objection 18 into that is we need to go back, and I can't 19 2.0 verify the year of 2014 or '15, of handling an 2.1 election of the annual meeting. So there is a 2.2 little distrust. Our GMD Board represents us. Ιt 23 is solely funded from us, the water users and the The LEMA is a Local Enhanced 24 landowners. 25 Management, uh --

HEARING OFFICER OWEN: Area.

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JON FRIESEN: Thank you. This has Area. no -- no feeling of that whatsoever. There was never a show of hands in any of the meetings. There was never a vote taken, whether people accepted this idea or opposed this idea. We as farmers, we're naturally thinking of conservation. That's part -- that's part of our vocabulary, that's part of our ideas. But to come down from an agency that we're funding, this carries so much part of a state interaction. Every meeting that I have gone to that the state has been involved with, the state runs it. The State says how about if we write something When the board members or the like this? committee members can sit there and say, maybe we shouldn't do anything. Maybe we don't know the ramifications of what we're doing and maybe we need to step back.

So -- so that finishes that part of it, okay?

The other part is, is I really want to, going with the Brownie Wilson in this thing. And while my 12 years of service to the GMD Board, not one board member, and not one person in a board

room ever asked to verify the data that we looked at. We actually have on minutes and a motion approved that said we would only accept KGS's deal.

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This is a pretty big undertaking. Brownie had a pretty good speech there of -- writing there that says what we were actually doing. But from the standpoint of all of us producers out here, we've got a pretty good idea what's going on out there also. It's pretty hard to put what we know down on paper. We do lack a few names, a few letters at the end of our name, of Ph.Ds, and so on and so forth. But as farmers we're all Ph.Ds in this water District. We know what we've got. We know the depth of water. We know what we're declining that water table at.

The data that's misskewed is, I have a measurement observation well that was read in January. 2016 the well was read in January, and it was a -- and I can't verify it exactly to the inches of how much, but it was three feet higher than it was in 2014 -- 2015. Did I get that?

'16. Okay. I probably got you confused. You got a question, did you follow me through that?

Okay. We came back and read JON FRIESEN: 1 2 that well 30 days later before the annual meeting, and we wrote on that that it was the same level 3 4 that it was the year before. This is where I get into question whether we got accurate data. 5 We can skew these data. What was that well? 6 7 And the point is, is how do you -- to take one sole points of data to make this decision, I 8 9 would think that KGS would try to be verifying 10 what they're saying to us in common terms and common sense, and not be burying us in this stuff 11 12 that we can't even understand it all. 13 And I have no further comments. Thank 14 you. 15 HEARING OFFICER OWEN: Thank you very much. 16 17 Those are the only names that were on the list sign-up to provide comments. Would anyone 18 else like to provide comments before we close 19 2.0 today? Even if you didn't sign the sheet? 2.1 It's kind of dark out there, but 2.2 I'm not seeing any hands. I did also receive one written comment. 23 24 If there are other written comments to leave with

me before the end of today, please do so before

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you leave the theatre. Any other written comments can be supplied, as I said, at the beginning, no later than the end of the day, September 13, and those are supplied to Division of Water Resources, either by mail or by e-mail. And details can be provided to you before you leave today, or on their website, give them a call, catch them at the field office and ask how to do that.

On September 13th at the close of business, then the hearing will officially close in terms of the comments taken. Then as soon as possible I will evaluate everything that's been provided, and I will issue a written order that determines whether or not the LEMA process moves forward.

As I said before, it's only on the three factual matters that we talked about. Is there a need? And is it in the public interests that there be at least one corrective control provision? And are the proposed boundaries reasonable?

So I thank you all very much for coming today. I applaud you for your participation in an incredibly important issue facing not just you, but our state and the world.

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2	today. Thank you much.
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1	STATE OF KANSAS,
2	THOMAS COUNTY, SS
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4	CERTIFICATE
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6	I, Marilyn F. Bailey, a Registered Merit
7	Reporter and Certified Realtime Reporter of
8	Kansas, certify that the foregoing is a full and
9	correct transcript of all the and oral
10	proceedings had in this matter at the
11	aforementioned time and place.
12	IN WITNESS WHEREOF I have hereunto
13	set my hand and official seal at Colby, Kansas
14	this 16th day of September, 2017.
15	
16	Marilyn 7 Bailey
17	Control of Bailey
18	MARILYN F. BAILEY, RMR-CRR
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