

King George County Board of Directors
August 15, 2023

The regular meeting of the King George County Service Authority Board of Directors was called to order at 5:30 PM by Chairman Allen Parker in the Board Room of the Revercomb Building, located at 10459 Courthouse Drive, King George, Virginia, 22485.

Members Present: Chairman, Allen Parker
Vice Chairman Carrie Cleveland
Ann Cupka
Cathy Binder
James Morris

KGC Administrator: Christopher Miller, County Administrator

KGC Attorney: Kelly Lackey, County Attorney

0:00:05.6 Chairman, Allen Parker: I now call to order this regular meeting of the King George County Service Authority Board of Directors. We'll start with an invocation by Ms. Cupka followed by the Pledge of Allegiance by Mr. Miller. Please stand as you're able.

0:00:22.2 Ann Cupka: Dear Lord thank you for bringing us together this evening to conduct the business of this the service authority. Please watch over all who gather here and grant travel mercies for those coming and going particularly given the status of the weather this evening. And please give us the wisdom and the strength to make the right decisions for the customers and our community. In your name we pray Amen.

0:00:47.1 ALL: I pledge allegiance to the flag of the United States of America and to the Republic for which it stands one Nation under God indivisible with liberty and justice for all.

0:01:03.7 Chairman, Allen Parker: Mr. Miller are there any amendments to the agenda?

0:01:06.2 Chris Miller: No sir.

0:01:08.9 Chairman, Allen Parker: We will start with public comment. Is there anybody in the audience that would like to speak tonight? Is there anyone online Mr. Dines?

0:01:27.2 Chris Dines: No. Mr. Chairman.

0:01:30.1 Chairman, Allen Parker: Seeing that there's nobody in the audience or online. We'll close public comment, reports of members of the board. Ms. Binder?

0:01:37.5 Cathy Binder: No report at this time.

0:01:39.1 Chairman, Allen Parker: Ms. Cleveland.

0:01:42.3 Vice Chairman, Carrie Cleveland: I didn't respond to the proposed joint meeting, and I just wanted to make sure that the board knew that I will not be available on Friday September 8th

or on Friday September 1st but otherwise I can make the other dates work. Thanks.

0:02:01.6 Chairman, Allen Parker: Ms. Cupka?

0:02:05.1 Ann Cupka: Thank you Mr. Chair. I don't have a formal report this evening, but I too am unavailable on the same dates as Ms. Cleveland for the joint meeting. And then the other item was I am hoping during the county. I'm sorry. For the interim general manager's report if we could receive an update because I did ask a question with regard to the ARPA funds during his report in the last meeting. Thank you very much.

0:02:37.4 Chairman, Allen Parker: Mr. Morris.

0:02:39.6 James Morris: Yes, thank you. The meter project folks are down now working on the St. Paul's system. I had a brief talk with those folks. They're very efficient and move quickly through the area so thank you.

0:03:00.9 Chairman, Allen Parker: Thank you. And as for myself I don't have any particular report as I've been out of the county for the last week or so. Moving on to the consent agenda.

0:03:11.4 Ann Cupka: I move to accept the consent agenda as written.

0:03:17.3 Cathy Binder: Second.

0:03:17.4 Chairman, Allen Parker: I have a motion made and properly seconded. Is there any discussion? Seeing no discussion. All those in favor?

0:03:22.6 Cathy Binder: Aye.

0:03:22.7 Vice Chairman, Carrie Cleveland: Aye.

0:03:22.8 Ann Cupka: Aye.

0:03:23.1 James Morris: Aye.

0:03:23.9 Chairman, Allen Parker: Chair votes aye and motion carries. Moving on. We have no public presentations, no board agency reports, so we're going to move on to presentations and reports by Inboden with their monthly utility report.

0:03:44.2 Mark Inboden: Good evening. So, as we did not meet in the second half of July we have the June reports, thank you Chris. June reports and the July reports that we will quickly go through. And for brevity's sake I've broken the reports out into two overview sections. One for water, one for wastewater for June and July respectively. And we can just go through those, and I'll be happy to answer any questions that you may have concerning the two reports. So, for Fairview we did install a new sand media and that that was successfully installed and conditioned at the Fairview Beach Water Treatment plant. And that is seemingly operating very

well. We completed the first round of water quality parameter testing. And this is a result of the 2022 lead exceedance that occurred for the Dahlgren Water systems. And then also the first notification concerning the lead exceedances were sent out to the Dahlgren customers. Our group has set up a kind of a triaging of the questions that from citizens and we've been responding to those on an as needed basis and then keeping a running roster of all the questions that we've received as well as our responses to all of your customers. And that has seemingly worked very well. We've been able to work with Patty in the office and we've been able to get that done. For waste. Sure. Typically, I don't like to hear myself but no I apologize. No that's fine. All right sorry for that. Is there anything that you'd like me to discuss again? All right for June for wastewater we moved some of the mixers around in the wastewater treatment plant process from low priority to high priority positions. The mixers are crucial to nutrient removal and as some of these mixers failed, we took some mixers from low priority positions in the plant to move those to high priority to continue to remove nutrients. DEQ also submitted a request for pH and temperature data. And this is for the Hopyard facility. And this is due to the current permit re-issuance that we are undergoing for this facility. And this is to establish a basis for ammonia limitations.

For July, for the water side we inspected sand filter media at the Oakland Park Water Plant. The King George County Maintenance changed some injection points for us, and they also installed a sample spigot at circle one well. And that has caused us or allowed us to have more effective treatment and monitoring of chlorine in the system. We are also progressively changing some chemical pump feed heads and that is allowing us to accommodate for the heat and gassing off of hypochlorite solutions and that maintains the integrity of those chemicals or the strength of those chemicals. And so, as the strength decreases of chlorine, we'll have to increase the amount that we feed. And so, this change will allow us to have a more consistent chemical feed rate. We've also identified some faulty exhaust fans.

And the King George County Maintenance guys are being proactive in helping us get those repaired and replaced. Also, the maintenance teams installed mission control monitoring units at the Oakland and Sealston systems and that has helped improved water loss in those systems and it has also improved the communications between both of those wells and the water plants. Also, I'm putting this up there just for your guys' sake. This happened two days ago in the month of August. But the Saft well, the repairs were successful, and that well is now back online. So, kudos to the maintenance guys and the contractor for getting that well back online. So, I know our operations our group can breathe a big sigh of relief.

For wastewater in July the county maintenance crews installed a new suction pipe on the bio-carb feed line, and they included a Y strainer. And the purpose of that Y strainer was to allow our operators to do some drawdown calibrations of the metering pumps. What that does is just allows us to meter the chemical more effectively and monitor the dose rates so we can hone it a little bit better and hopefully decrease chemical cost with the increased chances of thunderstorms in the area. We just had one tonight. We brought the second clarifier back online at the Dahlgren system and that just allows for additional hydraulic capacity of that system and allow us to deal with INI situations if they occur. We also responded to an overflow event. And I know I skipped one on seven one and seven two for INI at the Hopyard facility, but our operators were able to receive that alert and we were able to mitigate any overflows.

But our operators stayed through the day and through the night to allow additional batches of that wastewater plant to take place. And so, we were able to drop our levels in the tank and prevent an overflow. And that was due to inflow and infiltration. So those two are related. That's kind of why I

skipped the third bullet point there. We do have a new mixer for SBR one at Hopyard and that will probably be installed, or it might already be installed at Hopyard. We did receive the new VPDES permit for the Perkins Wastewater Plant. We received that on July 28 and the effective date of that permit will be August 1. We are in the new permit cycle right now. Also, maintenance installed some solenoid valves to aid in dosing inflow to the plant. We have two plants in the Oakland system and that is going to help us control the flow through that process. Underloading and inconsistent loading to these facilities has caused an elevated CBOD on 7/11. And so, with what the King George County maintenance crews did with installing that solenoid valve we're now able to dose those two plants evenly. And that has significantly helped our chances of maintaining that permit limit. So that is the end of these slides. So, I'd be happy to take any questions you guys have from June or July.

0:10:37.3 Chairman, Allen Parker: Does anybody have any questions?

0:10:40.8 Cathy Binder: Quick question. Just because acronyms abound what is VPDES? Just refresh me.

0:10:46.3 Mark Inboden: That is Virginia Pollution Discharge Elimination System. That is a water program through DEQ. So that's essentially your discharge permit. That is the program that our discharge permit is through.

0:10:58.5 Cathy Binder: Okay. I'm used to a discharge permit.

0:11:01.5 Mark Inboden: Sure.

0:11:01.5 Cathy Binder: Thank you. I appreciate it.

0:11:02.6 Mark Inboden: I apologize for that. You're welcome.

0:11:05.5 Vice Chairman, Carrie Cleveland: Can we go back to the June water slide?

0:11:13.3 Mark Inboden: That's wastewater, there's water.

0:11:19.1 Vice Chairman, Carrie Cleveland: Yeah, it was the next one, June wastewater? Yeah. The mixers that you moved around from treatment plant from the low priority to high priority how do you move those around? Like what would be the reason why you would do that?

0:11:38.1 Mark Inboden: So, this facility the Dahlgren facility is an oxidation ditch. And so there's varying concentric rings in this oxidation ditch. And so, each ring has a different purpose. One ring might have a purpose of removing nutrients while another ring would have a purpose of removing organic material. Just the design of the plant. If this was a regular conventional wastewater treatment plant, we would not be able to move these mixes around like we're doing here at Dahlgren. But we've taken them from one ring and moved it to another ring that's specifically designed for nutrient removal. And so that was our low priority was just moving water through that one ring. We moved it to allow for mixing in front of the pre-anoxic zone.

The zone in the treatment plant is designed for nutrient removal. And so, if without that mixer that failed without that mixer, we would've had permit violations of nutrients.

0:12:37.4 Vice Chairman, Carrie Cleveland: So, it's just moving stuff around to make sure that you're meeting.

0:12:42.2 Marl Inboden: Right.

0:12:42.7 Vice Chairman, Carrie Cleveland: Your testing.

0:12:43.3 Mark Inboden: We were robbing Peter to pay Paul. Yep. We're kind of taking one from one place in the treatment plant and moving it to another.

0:12:50.2 Chairman, Allen Parker: So, what I'm understanding is that we've got a one or more that have failed. So, we have to replace them.

0:12:56.7 Mark Inboden: That's correct.

0:12:58.1 Chairman, Allen Parker: Okay.

0:12:58.4 Mark Inboden: And one of the reasons why we did that these are not just off the shelf items. Their lead times are you know prescribed to us in months, weeks, and months. And so, it's unfortunately not something that we could be replaced readily. So, in the interim our solution to maintain permit levels was to move them.

0:13:17.4 Chairman, Allen Parker: So, has that been ordered or?

0:13:19.5 Mark Inboden: I'm not sure. Yes.

0:13:21.6 Chairman, Allen Parker: Okay. Thank you.

0:13:24.2 Mark Inboden: You're welcome.

0:13:26.4 Chairman, Allen Parker: Are there any other questions? All right. Thank you.

0:13:30.1 Mark Inboden: Thank you.

0:13:33.6 Chairman, Allen Parker: So, moving on. We have no action items this evening. Moving on to discussion items. First up is the proposed joint meeting with the Board of Supervisors to discuss the management structure for the Service Authority. Kind of looking at it maybe the two Thursdays in September or the Friday in September. Maybe it's Friday the 15th as the most kind of the most votes, I think.

0:14:07.2 Chris Miller: And again, just to clarify Ms. Cleveland you indicated the eighth the first and the eighth and then Ms. Cupka you also were not available those two days.

0:14:15.6 Chairman, Allen Parker: Yeah so, I crossed those out. So, the 15th, if the 15th works for everybody on this board, we'll just have to check with the other three supervisors. All right. So tentatively we'll mark the 15th but we just have to check with the other three supervisors.

0:14:43.1 Ann Cupka: Mr. Chair can I ask a question? So, was that the date that the majority were available? Did that have?

0:14:54.1 Chairman, Allen Parker: Yeah.

0:14:54.4 Ann Cupka: The highest number of responses?

0:14:55.4 Chairman, Allen Parker: I think that was. It had seven.

0:14:57.8 Ann Cupka: I only offer that because I used to be staff and if it's at all possible if we could not have staff have to. I don't mind. I was elected and I take my responsibility very seriously. I know all of us do up here but if we don't have to have staff come out to run a meeting on a Friday, I just like to maximize their opportunities with their families on the weekend. If we can, if there are other if there are Thursdays available that we could, I'd prefer to see it on a Thursday if at all possible.

0:15:33.1 Chairman, Allen Parker: So, the top responses were the 15th, the 21st, and the 22nd. They all had the same votes.

0:15:46.2 Chris Miller: 21st is a Thursday so.

0:15:47.9 Chairman, Allen Parker: Yeah. Yeah. So, the Friday the 15th, Thursday the 21st or Friday the 22nd. Those are the three top and everything else was well below that. Yeah, I can make any of them work. So, I guess just check with the other supervisor to see which one works best.

0:16:13.7 Chris Miller: Yes sir. We'll circulate something. Sounds good.

0:16:18.4 Chairman, Allen Parker: Moving on then. General manager's report. Mr. Miller.

0:16:21.7 Chris Miller: Thank you Mr. Parker. So, I just before I answer Ms. Cupka's question, I'm going to just let you know that the superseding consent order which was signed back in August of 21 as you remember we do every six months we have a check in with DEQ on that and that has to do with the pump station. So, the next check in with them on progress that we're making is in October. And we'll have an update on that. Just to also let you know that the Dahlgren's Perkins consent order which you all activated back in June is now active. I don't know if we think we have our first quarterly billing that we will provide to them. And again, that, and then the work that will be going on to comply with that. But just wanted to give you they held their public hearing and all that so it's now active. So let me ask Mr. Young to come up. He is coordinating our efforts with the ARPA wastewater grant, and he can provide you with an update on everything.

0:17:44.2 Bryce Young: Good afternoon, Mr. Chairman and members of the board for the water. You all know about the wastewater specifically. I hear that. Well, the ARPA wastewater agreement we have the one last PER we're waiting on and we'll be able to submit everything and get that approved and then we'll start to be able to receive reimbursements for money we spent and money we plan to spend and for the ARPA water agreement everything is executed and moving along well.

0:18:28.7 Chris Miller: So, and I think that you could clarify this but the two processes and the two efforts by the state are totally dissimilar. They're totally different. They're not the same. VDH obviously is handling the water and their whole administrative process is totally different than the Department of Environmental Qualities Administration of the wastewater grant. Correct?

0:18:58.0 Bryce Young: That's very correct.

0:19:03.9 Chris Miller: Does that help you? I know...

0:19:05.9 Ann Cupka: Yeah, Mr. Chair. So, my question in the last meeting was when we, a while back originally considered emerging as a public utility under the county, it was indicated to us that a reason that we could not at that time was that our ratio of ARPA funding that we received would exceed some standard. And so, we didn't work in that direction any further. And so, when this was brought back at our last meeting, I asked the question, "So has some state regulatory agencies' stance on that softened so that now we can proceed? What was the update on that?"

0:19:58.7 Chris Miller: My knowledge, no, they've not changed anything. Ms. Hahn and I have talked about the water grant and what was said to us and that it probably would not affect that grant. But I don't know. We haven't got the answers yet for wastewater grant. And I think it would be fair to say that DEQ has been struggling on how they want to put this thing together. Is that correct? Because they talked about doing individual grants and individual projects and now maybe accumulative type of a situation and now, they're going back to maybe individual grants. So DEQ has not really figured some things out, to be honest with you. And so, we're not able to really get you an answer, but we'll keep pushing for it.

0:20:49.7 Ann Cupka: Okay. Thank you.

0:20:54.1 Cathy Binder: Mr. Chair. Mr. Miller, I have a question about that. So, when you say that DEQ hasn't figured it out, are you talking about for us specifically or the ARPA grant for wastewater itself?

0:21:02.7 Chris Miller: The ARPA grant. It is not King George. Everybody is my understanding.

0:21:08.2 Cathy Binder: All right, thank you.

0:21:11.7 Chris Miller: The other item that I had, and then I have some other items on the actual report, but Mr. Eisenbeis is here. Mr. Inboden obviously referred to the Saft Well, and I just wanted to ask Mr. Eisenbeis to kind of give you an overview of how everything went together. And clearly, we were very happy that that Saft Well was replaced and is working fine. And I'll let Mr. Eisenbeis

kind of give you an overview.

0:21:41.9 John Eisenbeis: Good evening, Mr. Chair, members of the board. We completed the installation of the pump. The realigning and everything were done prior to this. We were waiting on the pump from Italy, finally came in. It was a 14-hour project, but we did get the pump in. It's pumping fine. We're currently at half the runtimes we've been running. It's definitely settled the system out to a point where we've increased our ratio in the tank that we recycle each day because we do have that capacity back. So, with the heat, the chlorine is gassing off and now we can cycle that in the tank and have a lot better treatment for the water. But it's been working perfectly, had no issues and looks like we're going to be good to go for another two years until we can get the other one online. Any questions at all? Okay. Thank you.

0:22:28.7 Cathy Binder: Wait a minute. Hold on, Mr. Chair, just a quick question. So, the well being repaired, what's its life cycle now?

0:22:35.2 John Eisenbeis: Well, when it wasn't repaired before, we only got a year out of it. It should typically run for five years without any issues. But we are looking at a new location for a replacement Saft well. But that one can still be online and should go for another five years.

0:22:50.4 Cathy Binder: So, it gives us some time.

0:22:51.4 John Eisenbeis: Yes, so we put in everything new from the bottom to the top.

0:22:53.7 Cathy Binder: All right, thank you very much.

0:22:58.2 Chris Miller: And I just publicly would like to just acknowledge John and his crews and then the Inboden crews that worked to keep the Dahlgren system getting water, because there were a couple of times, I think they were very nervous about the ability for that system to work. And so, while the Saft well was out, so at no time was there, we didn't have any water. If something had gone wrong with some of the other backup wells in the area like Payne or Bumbry, we might have had some issues. But overall, good work on the contractor and our maintenance crews to keep that going.

I just wanted to just point out, I know we have another item here later, but just to give, you do have a to do list update, just to tell you and I think they're right up there, not a lot of change to things. Things are basically, working, moving forward, Perkins Corner, decommissioning one of the bigger projects and that's just moving forward. Bryce Young is obviously our point person on that, working with the contractor, hire or the consultant, RKNK and then you have some of the other items that are on there, but I'll certainly answer any questions. Again, I can't overstress enough how really satisfying it is that we have Inboden in there doing the operation for the water and the wastewater and they're there as a member of the team. It's a very nice relationship. And I know the relationship between the maintenance crews and Inboden crews is very well. And it also works with Miss Norris Barker in the office. But also, they're at the table for a lot of these other discussions that go on with the bigger picture about King George County Water and Sewer in years in the future. So, I think we made a good choice. That's all I have.

0:25:09.2 Chairman, Allen Parker: Are there any questions for Mr. Miller?

0:25:14.4 Vice Chairman, Carrie Cleveland: No.

0:25:14.4 James Morris: Mr. Miller and, this question, I don't know if you can answer it or whether Mr. Young. In the transitioning to surface water, have we explored creating a reservoir or are there no geographical spots in the county that would accommodate creating a reservoir? Like Stafford did with Lake Mooney or Fredericksburg did?

0:25:49.3 Chairman, Allen Parker: So, I can kind of answer that. There's no place in the county to do that. The way you create a reservoir is you dam up a, some stream, river or something, that's almost impossible to do these days. It's very cost prohibitive. Dams are extremely expensive, and we just don't have that kind of water flow. You can't dam up the Rappahannock or the Potomac and there's not really a smaller side stream that would do that. And we don't really have the topography to allow that reservoir to fill.

0:26:19.0 Chris Miller: I do think that there's some of these abandoned gravel pits that are either not getting reclaimed or they've already gone through some kind of form of reclamation, and they're done. But that's an option. And that's in some respects with the MOU and the proximity of the parcel that the Birchwood project would dedicate to you. You might be close enough where we could look at that as a storage facility. I think that's what we talked about as one option. It's not a guarantee. I think we need to probably.

0:26:58.2 Chairman, Allen Parker: Yeah, I think what he.

0:26:58.3 Chris Miller: What kind of direction we want to.

0:27:00.9 Chairman, Allen Parker: Yeah. What Mr. Morris is talking about is an actual one that refills itself and you'll pump off of that. That's using them as a storage, because you can pump those down and they stay pumped out. I mean they just pumped one out recently and are refilling it. So, yeah, we don't have that natural refill that you'd have like on Fawn Lake or something like that where they dammed up a stream. Are there any other questions?

0:27:24.3 Vice Chairman, Carrie Cleveland: Mr. Chairman, I have something. I just wanted to recognize Mr. Eisenbeis and our maintenance crew and Inboden, I had the opportunity to speak with them a couple weeks ago after our meeting and just seeing that partnership and collaboration that they have for the benefit of our county and our clients, really appreciate that and love to see that that partnership going so well. So, thank you.

0:27:53.8 Cathy Binder: Mr. Chair, quick follow, Mr. Miller and Inboden. Have you thought of a date yet to have like, I don't know if you want to call it a town hall, but an introductory so some folks can tour maybe one of the facilities to get more information?

0:28:08.2 Chris Miller: I don't think we have anything specific, but it's something that we can put our heads together and figure out a good time to do that. Yes.

0:28:15.8 Cathy Binder: *On one of my first years on the board, we actually did that and did a tour of Fairview Beach and it had quite a few more than I thought would come just to give an explanation of how a water treatment plant runs. And I think it would be good for the community, they could ask some questions too.*

0:28:31.2 Chris Miller: *It's a good point.*

0:28:34.0 Chairman, Allen Parker: *Is there anything else for Mr. Miller? All right, we'll close out discussion items.*

0:28:43.3 Vice Chairman, Carrie Cleveland: *I move that the King George County Service Authority Board of Directors convene in closed session for discussion and consideration of terms for proposed cost sharing of water and sewer infrastructure expansion to serve general and industrial uses. Where discussion in an open meeting would adversely affect the bargaining position or negotiating strategy of the public body pursuant to Virginia code sections 2.2-3711A3 and A6. Discussion regarding the same is also authorized by Virginia code section 2.2-3711A8 for consultation with legal counsel concerning specific legal matters requiring the provision of legal advice. I invite the county administrator, county attorney, director of economic development and assistant county attorney as needed because they are deemed necessary and or their presence will reasonably aid the board and its consideration of the topics to be discussed pursuant to Virginia code section 2.2-3712F.*

0:29:53.6 Cathy Binder: *Second.*

0:29:56.7 Chairman, Allen Parker: *I have a motion made and seconded. And is there any discussion? All those in favor?*

0:30:01.2 Cathy Binder: *Aye.*

0:30:01.4 Vice Chairman, Carrie Cleveland: *Aye.*

0:30:02.7 Ann Cupka: *Aye.*

0:30:02.8 James Morris: *Aye.*

0:30:03.9 Chairman, Allen Parker: *Chair votes aye. We are in closed session.*

0:57:06.0 Vice Chairman, Carrie Cleveland: *I move that the King George County Service Authority board of directors return to public meeting and certify by a vote that only public business matters lawfully exempted from open meeting requirements by Virginia law, and also such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered during the closed meeting.*

0:57:27.4 Cathy Binder: *Second.*

0:57:30.8 Chairman, Allen Parker: *We have a motion made and seconded. Is there any discussion? Roll call vote Miss Binder.*

0:57:34.4 Cathy Binder: *So certify.*

0:57:35.7 Chairman, Allen Parker: *Ms. Cleveland.*

0:57:37.5 Vice Chairman, Carrie Cleveland: *So certify.*

0:57:39.4 Chairman, Allen Parker: *Ms. Cupka.*

0:57:39.5 Ann Cupka: *So certify.*

0:57:40.1 Chairman, Allen Parker: *Mr. Morris.*

0:57:40.2 James Morris: *James Morris, so certify.*

0:57:42.3 Chairman, Allen Parker: *Alan Parker so certify we are back in open session.*

0:57:51.4 Vice Chairman, Carrie Cleveland: *I move that we adjourn to Tuesday, September 5th, 2023 at 5:30 PM in the boardroom.*

0:58:00.8 Cathy Binder: *Second.*

0:58:00.9 Chairman, Allen Parker: *We have motion made and seconded. Any discussion? All those in favor.*

0:58:04.3 Cathy Binder: *Aye.*

0:58:04.4 Vice Chairman, Carrie Cleveland: *Aye.*

0:58:04.4 Ann Cupka: *Aye.*

0:58:04.5 James Morris: *Aye.*

0:58:05.2 Chairman, Allen Parker: *Chair votes aye motion carries. We're adjourned to Tuesday, September 5th, 2023 at 5:30 PM here in the boardroom.*