

**THE NEW ALBANY SEWER BOARD AND STORM WATER BOARD HELD A WORK SESSION IN THE EAST CONFERENCE ROOM OF THE WASTE WATER TREATMENT PLANT ON TUESDAY, MARCH 18, 2014 AT 10:00 A.M.**

**PRESENT:** Rob Sartell, Ed Wilkinson, Gary Brinkworth, Wes Christmas and Vicki Glotzbach

**Mr. Brinkworth called the meeting to order at 10:15 a.m.**

**Mr. Sartell** stated that they would basically discuss eliminating some SSOs that have to be monitored and how credits can be acquired for Georgetown.

**Mr. Christmas** stated that he would like to discuss a few outstanding issues with EPA one of which is we have to run any SSO monitoring modifications or plans through them for them to buy off on if we were to reduce monitoring. He said that the second thing is whether this is the time to approach EPA about credits for Georgetown.

**Mr. Brinkworth** stated that if we don't do it now then it will just prolong it so he feels it is time to do it.

**Mr. Christmas** stated that we still have outstanding credits that we have requested from EPA that they still haven't granted for Robert E. Lee.

**Mr. Sartell** asked if we received half of the credits for the Robert E. Lee and are now waiting on the second half.

**Mr. Christmas** replied yes. He stated that we made an initial request back in 2008.

**Mr. Brinkworth** asked how many gallons we are talking about.

**Mr. Christmas** stated that it was just less than 160,000 gallons and they granted half of that request which was 79,020 credits and when they issued that they came back and said that they felt that the monitoring data was during a really dry period and may have influenced the numbers. He said that EPA asked us to do additional monitoring of two additional events and do all of the calculations that we did for the first one and resubmit. He explained that we did that so we submitted another request lowering that amount from 158,040 to a total of 132,191 credits so that would leave the balance to be issued of 53,171. He said that we made the request for the additional credits once and then we when submitted the amended capacity assurance plan we requested approval for several items. He stated that we requested approval of several capacity certifications for several large developments which we ultimately ended up getting approval on and the three biggest were Stonecrest, Historical Villages of Silvercrest and Grant Line Industrial Park. He also stated that in the same letter approving those dated July, 2012 they indicated that our letter also requested that EPA issue any remaining sewer credits due to the city associated with the Robert E. Lee and they are currently reviewing that request and will correspond in the near future to resolve this issue. He said that was the last correspondence that we received from them.

**Mr. Brinkworth** stated that is still hanging out there along with the 220,000 from Georgetown.

**Mr. Christmas** asked Mr. Sartell what Georgetown's flow was when they went off.

**Mr. Sartell** stated that he would say in the neighborhood of 180,000 but would have to review it.

**Mr. Brinkworth** said that they were approved for up to 210,000 or 220,000.

**Mr. Sartell** stated that it was 226,000.

**Mr. Brinkworth** said that is what we should be asking for.

**Mr. Christmas** stated that he thinks that is a good starting point because they will probably hack it down.

**Mr. Sartell** stated that they will especially if they request any flow metering from Georgetown because it was pitiful. He also stated that they would go out and take a reading on a Monday and not go back until Thursday and average it out so that would shave the peaks off of the flow. He said that he has flow meter data that goes back before that practice and it shows some peaks. He stated that he has flow meter data back to '93 or '92.

**Mr. Brinkworth** asked if the high flow metering was due to storms.

**Mr. Christmas** replied yes and stated that back then their flows were an average of 181,000 gallons per day. He said that the maximum at that point was 688,000 gallons per day with a minimum of 58,000, which he feels is out of whack, but that's what it was in that period.

**Mr. Brinkworth** asked how many customers they have on it right now.

**Mr. Christmas** replied that he thinks it is approximately 1,400.

**Mr. Wilkinson** stated that it was stated in the paper that it is 1,300 customers.

**Mr. Christmas** stated that they have pretty substantial development up there since 2001 or 2002. He then asked Mr. Sartell what date they went off the system on the flow metering data that he has.

**Mr. Sartell** stated that we stopped testing in April, 2011 and at the end of that month they went down to those seven or eight properties. He added that he has not been able to find a letter or anything from them but he has been looking through sewer board minutes and has gotten through June, 2011.

**Mr. Brinkworth** stated that there are a lot of commercial properties out there that are not using much plus a lot of older homes where the people are older and probably not using too much so he could see how they may be under 300,000 per day on average but 200,000 sounds unrealistic.

**Mr. Christmas** stated that was their contractual and if they went over that then they got surcharged.

**Mr. Sartell** stated that he believes that in one version of the contract they did but then it was renegotiated and that kind of went away.

**Mr. Christmas** stated that he thinks that we have to base the requests off of actual readings although if they are extremely inaccurate then we wouldn't. He said that if he were EPA he could care less what kind of contract that was signed with them and he feels that we have to go off of flow data.

**Mr. Wilkinson** stated that if we lacked up 220,000, why wouldn't we be able to get that back.

**Mr. Christmas** stated that we have to look it and see which one is the bigger number and he agreed that we set aside 226,000 for them and we should get that.

**Mr. Sartell** stated that they were paying for that capacity.

**Mr. Christmas** asked Mr. Sartell if the actual flow up was up to that number in 2011.

**Mr. Sartell** stated that he would have to go back and look but he is thinking that it wasn't.

**Mr. Christmas** stated that we can start at 226,000 and see what they say and the worst case scenario would end up being down at whatever it was which was 200,000. He explained that when we sized on the lift station and all of those improvements, we used their contractual allowances for their flow. He thinks that he can see them saying it is like an I&I removal project.

**Mr. Brinkworth** stated that if you went to 600,000-700,000 per day during rain then all of that is gone.

**Mr. Christmas** asked Mr. Sartell if he has the summary of the flow.

**Mr. Sartell** stated that he could get it.

**Mr. Wilkinson** stated that he thinks the initial request should be whatever they have on the books.

**Mr. Christmas** stated that he thinks it makes sense to make that request.

**Mr. Wilkinson** explained that they prohibited us from making other hookups on the basis that we were using that much from Georgetown.

**Mr. Christmas** stated that if they want to treat it like an I&I removal then we wouldn't be looking at the average flow readings. He said we would be looking at peaks too which would make that number really big but when they do the I&I removal then they credit on a 5 to 1 ratio.

**Mr. Sartell** suggested looking at the flow numbers.

**Mr. Christmas** stated that if Mr. Sartell would get the Georgetown flow data then he can start looking at it both ways.

**Mr. Sartell** asked if the last five years would be sufficient.

**Mr. Christmas** replied yes. He stated that removing the difference between the pre peak and the pre average which is almost 1,000,000 gallons and credit that on a 5 to 1 basis then that would be 220,000 credits and then when you do the contract that would be 226,000.

**Mr. Wilkinson** stated that he thinks that the new people that are in there now are more reasonable than those who were in there when we started.

**Mr. Christmas** stated that he thinks they are happy with what has been down here and realize that there is a lot of effort being put into getting it right.

**Mr. Brinkworth** asked if there is anything else that we should request more credits on besides the 200,000+- and the 53,171 for Robert E. Lee.

**Mr. Christmas** stated that we could make a request on the lining based on I&I removal but he would like to have more research.

**Mr. Wilkinson** asked if we are getting close to being done with basin 16, could we do another review.

**Mr. Christmas** replied yes. He then stated that the other outstanding item is manholes.

**Mr. Sartell** stated that according to Stantec all of those manholes on the email list have been inactive for two years. He said that we just passed the one year mark for Cherry Valley Golf Course which are manholes 9-47-A and 9-48 and that's where we found the concrete weirs in the line.

**Mr. Brinkworth** asked if we have had any problems since then.

**Mr. Christmas** stated that the substantial rains last fall have kind of pinpointed where our problems are.

**Mr. Brinkworth** asked what would happen with those if we bolted them down.

**Mr. Sartell** stated that it would lift them off the ground.

**Mr. Brinkworth** asked what if we raised them.

**Mr. Christmas** stated that we did and it just hit another manhole.

**Mr. Wilkinson** asked if the golf course owns all the way out to the railroad tracks.

**Mr. Sartell** replied no. He said that we had to go through some property owners to get a backhoe in there to clear a path to those two manholes.

**Mr. Wilkinson** stated that the list of manholes that Mr. Christmas has and the list that we carried on the last Stantec contract were the same ones and you can go back 2011, 2012 and 2013 and we are clean to do that.

**Mr. Christmas** stated that a couple of them were on there because when we did the revision to the SSO response plan, we indicated that a couple hadn't been active for two years but since they were tributary to some problem areas we had left them on. He thinks that if we've done a project that specifically addresses them which the majority of them do then why not drop them.

**Mr. Brinkworth** stated that if it is not on our list then can't we tell Stantac to quit monitoring it.

**Mr. Sartell** stated that the ones that have SSO numbers assigned to them, we have to petition EPA.

**Mr. Christmas** stated that he thinks if it is in our revised SSO response plan then those are the ones we have to get. He also presented attachment "A" and said that if it is on that list then we have to make a formal request to EPA to revise the plan again.

**Mr. Brinkworth** asked how many are on this list.

**Mr. Christmas** stated that it shows 24 but some of them are multiple. He said that if a manhole is on the list and hasn't been active then we just need to do a revision to the SSO response plan and all we would have to do is revise attachment "A".

**Mr. Wilkinson** stated that there are six on there that haven't overflowed in five years.

**Mr. Sartell** stated that 9-47A and 48 haven't had an SSO since January of last year and asked if we should further monitor that.

**Mr. Christmas** asked if it was on the EPA list.

**Mr. Sartell** replied no.

**Mr. Christmas** stated that it hasn't been active this year with the events that we've had and we did specifically do a modification so he would feel comfortable in dropping those off.

**Mr. Brinkworth** asked if those were just on our list.

**Mr. Christmas** replied yes.

**Mr. Sartell** stated that 16-31A is not showing anything for two years.

**Mr. Brinkworth** asked if it is the really short manhole.

**Mr. Sartell** replied yes.

**Mr. Brinkworth** asked when the last time was that we had an overflow there.

**Mr. Christmas** replied it was on June 26, 2009.

**Mr. Brinkworth** asked how close it is to manhole 16-31 that they have to monitor.

**Mr. Sartell** replied that is about 300-400 ft.

**Mr. Brinkworth** asked if it is higher than 16-31 which is overflowing.

**Mr. Sartell** replied yes.

**Mr. Brinkworth** stated that one that hasn't overflowed since 2009 he will leave up to Mr. Sartell and Mr. Christmas to say yes or no because we have done some improvements and obviously that has helped.

**Mr. Sartell** stated that there are four manholes that he will contact Stantec on to quit monitoring.

**Mr. Brinkworth** asked if the other 12 that have not been overflowing are on the list.

**Mr. Sartell** replied yes.

**Mr. Christmas** said that most of these are directly related to the basin 27 interceptor project.

**Mr. Sartell** stated that he has 14 that need to be approved by EPA.

**Mr. Brinkworth** asked if they do approve those, how many we will be down to.

**Mr. Sartell** replied 16.

**Mr. Christmas** stated that of the ones that are left 12-29 is kind of an isolated one from the others and 22C is also.

**Mr. Brinkworth** asked if it is worth trying to raise shallow manholes.

**Mr. Sartell** stated that he thinks that it has been done over the years but the risk with 22C is that if you raise it up you could put it into someone's basement.

**Mr. Christmas** asked if we could put backflow preventers there.

**Mr. Sartell** stated that he would get some more data on it.

**Mr. Brinkworth** stated that the storm water board is looking at replacing the bridge at Pamela which would allow the water to get through there better so that maybe it wouldn't flood as much.

**Mr. Sartell** stated he is sure that would help because it is right next to that branch of Falling Run.

**Mr. Wilkinson** asked what kind of information we need to gather to create a plan for the 46 and 47 areas. He said that if it is surging with the big rains and the conventional patches push the water into someone's basement maybe some type of larger surge tank might help.

**Mr. Christmas** stated that some sort of fix, if we were going to do something immediately, would be some sort of surge basin and we will need to determine that volume.

**Mr. Sartell** stated that we need to move forward with it and put it on the fast track or it will take years.

**Mr. Christmas** agreed and stated that he thinks that we need to run the model to do that. He stated that we did, through the SSE project, change the model to give them more functionality and better capabilities. He explained that they have never sent it to the EPA to say here we have changed this but he doesn't know that they have to because it isn't an EPA mandated project. He stated that the only time he believes the EPA needs to be involved is if they solve the SSO's and they file to terminate the consent decree.

**Mr. Wilkinson** stated that when they get down to the shallow manholes they will have reduced and eliminated a lot of their arguments and demonstrated that over five years they have attacked the whole system and they will keep doing what the requirements are.

**Mr. Christmas** stated that he thinks they are in a good spot and have been doing everything asked. He explained that the only thing they need to ask about regarding the shift in the scheduling for the relining project.

**Mr. Sartell** stated that everything is complete in Basin 16 and the only think outstanding in the pilot project is the flow analysis.

**Mr. Brinkworth** asked what percentage out of the total was supposed to be relined.

**Mr. Christmas** stated that it was a pretty significant amount.

**Mr. Brinkworth** asked if that was determined by the overflow areas.

**Mr. Christmas** stated that it was more of a holistic approach.

**Mr. Sartell** stated that the

**Mr. Wilkinson** asked Mr. Christmas if they have flow meters in 15, which is the next basin that we will reline, he thinks that there needs to be a proposal to get this kind of stuff assembled for 15.

**Mr. Sartell** stated that they are going to try to line everything they possibly can and they will put together a list of what can be done and how many manholes can be done.

**Mr. Wilkinson** stated that they want the worse case on 15 for starting so that they are lining and not screwing up the profile for 15. He asked how many months they need to do that.

**Mr. Christmas** stated that they indicated that they would capture three minimum rain events.

**Mr. Brinkworth** asked how long they have been monitoring 15

**Mr. Sartell** stated that they just started monitoring it.

**Mr. Brinkworth** stated that means they are three rain events out before they start the relining.

**Mr. Christmas** explained that they need to have at least three quality rain events and that is defined as rainfall in excess of half an inch but it is qualified by normal intensity.

**Mr. Sartell** asked what they are getting this rain data for.

**Mr. Christmas** stated that they are using it to determine the effectiveness of the lining but they could tie that to a credit request in the future.

**Mr. Sartell** stated that they could say moving forward they want to use 16 as an expectation of what they want from each basin because he wasn't seeing much change.

**Mr. Brinkworth** stated that they could if there were significant problems in the area.

**Mr. Sartell** asked if they should stop lining in 0215.

**Mr. Christmas** stated that if they don't have enough data they should get that first.

**Mr. Brinkworth** asked if there was more to do in 16.

**Mr. Sartell** stated that they would have to sit down and see.

**Mr. Christmas** suggested going to areas outside of Phase 1.

**Mr. Wilkinson** stated that they are doing the camera work and if they spot infiltration in Basin 9 they could certainly go in there and reline that area.

**Mr. Sartell** stated that there are areas that they can keep lining and doing spot work on.

**Mr. Brinkworth** asked if they still had monitors in 16

**Mr. Christmas** stated that they do.

**Mr. Brinkworth** asked if they are going to take those out until the final analysis.

**Mr. Christmas** stated that is correct.

**Mr. Brinkworth** asked what is next.

**Mr. Christmas** stated 7, 15 and 28

**Mr. Sartell** stated that they have some meters that they can move now.

**Mr. Brinkworth** stated that they need to start thinking about the timing on that.

**Mr. Christmas** stated that he would get going on 7, 15 and 28 now.

**Mr. Sartell** stated that 15 is good to go and they need to sit down and determine where to put the ones in 7 and 28.

**Mr. Wilkinson** stated that he would go ahead and spend the money to get the meters in there even though it is spending money it is slowing down the process.

**Mr. Brinkworth** asked if there are any out there that they aren't paying attention to.

**Mr. Christmas** stated that they went through the list and pulled some and there are a couple left to be pulled but they don't want to pull everything out because they want to keep an eye on the system.

**Mr. Brinkworth** stated that they could find out how many they have that they can move and then find out what they need.

**Mr. Sartell** stated that they need to set down and talk about how they want to move forward and once they understand the process they won't have this problem any longer.

**Mr. Christmas** stated that they are getting to the point where they can utilize the GIS tool on this a little bit so that they can show them where the monitors and that will help the data make sense to them. He explained that he would like to get the final lines that were lined so it can be tagged in the GIS system.

**Mr. Wilkinson** stated that is sort of what he was doing by hand.

**Mr. Brinkworth** stated that it would be nice to highlight which Basins need to be done.

**Mr. Sartell** stated that they have the ACAP Basins called out and asked if moving forward they are just going to go by what the dry ratio is.

Mr. Christmas explained that they did a Phase II and the EPA called out Phase I as a termination of the Consent Decree but there is a road map for the foreseeable future.

**Mr. Brinkworth** stated that if they update the information every day they can see their progress.

**Mr. Christmas** stated that he can tag lines but there are some modules to be added to the GIS that will make adding all of this data much easier.

**Mr. Sartell** stated that his concern is that he has a full crew that doesn't understand the entire plan and they need to get together to get everyone on the same page.

**Mr. Wilkinson** stated that they shouldn't be bashful about getting the metering done.

**Mr. Sartell** stated that they aren't they just need some clarification on the direction.

**Mr. Christmas** stated that they don't need a ton more meters but they need enough for the key point as well as Basin 7, 15, 16 and 28.

**Mr. Sartell** stated that these are very durable so they can be moved around. He stated that they have about 9 right now.

**Mr. Christmas** stated that they need about three per basin.



**Mr. Sartell** stated that he has a construction crew that he could put out to walk the lines right now to locate manholes.

**Mr. Wilkinson** stated that they have several manholes in the three basins where they have smoke coming out of the storm water grill along the street and when they guys go out to plug them they need to have input so that it is all coordinated.

**Mr. Christmas** stated that you never know on those until you get into it.

**Mr. Wilkinson** asked how they know that there are this many unfounded manholes.

**Mr. Christmas** stated that it was based off the Atlas maps so he doesn't know that they were installed but he was trying to find what was on the map.

**Mr. Wilkinson** stated that they are going to need a proposal from Mr. Christmas on 15

**Mr. Christmas** stated that is one thing they need to talk about with the guys and assess what they need to do their job.

**Mr. Wilkinson** stated that once he gets all the manhole positions and piping designations they will run the camera truck through the basin and that will give them the list of things that need lining.

**Mr. Sartell** stated that they should already have a lot of this information for 28 but he doesn't know if they cleaned and pre-televised 15.

**Mr. Christmas** explained that he spoke with Mr. Lahanis a long time ago on how they were lining the lines and they are doing things now.

**Mr. Sartell** stated that he needs to sit down with Mr. Christmas and Mr. Brinkworth and get an SOP on how they proceed because they have all these movable parts and they sometimes don't understand how it is all working.

**Mr. Christmas** asked Mr. Sartell how the measurements of the lines are going.

**Mr. Sartell** stated that if they need an 8" that is what they get and it works fine.

**Mr. Christmas** stated that he has heard good things about the lining work that is being done so it sounds like however they are sizing it is working.

**There was a lengthy discussion about measuring the lines for lining purposes.**

**Mr. Brinkworth** asked Mr. Sartell if he has separate crews for the individual jobs.

**Mr. Sartell** stated that he has a lining crew, construction crew, and a tv/cleaning crew.

**Mr. Brinkworth** asked Mr. Sartell how the new lining materials were working out.

**Mr. Sartell** stated that they should be getting it in today.

**Mr. Brinkworth** asked him to keep them updated on how it is working out.

Mr. Sartell asked the board what they want to do about McLean. He explained that it doesn't have a wet well, it is over 20 years old, it is shallow, and in a flood plain.

**Mr. Wilkinson** asked if they were just holding it until they got enough data from 16.

**Mr. Christmas** asked how long 16 has been done.

**Mr. Sartell** stated that it has been done for about a week and he thinks this is something Mr. Christmas needs to review before they move ahead.

**Mr. Brinkworth** asked Mr. Christmas if he just needs to monitor it for awhile to see what kind of flow they are getting.

**Mr. Christmas** explained that they can probably use the data that they already have and they probably need to take a look at the most recent overflow from 16 and redo the calculation for that and McLean and move forward from there.

**Mr. Brinkworth** asked how much overage they design the pumps to handle.

**Mr. Christmas** stated that if they do a brand new station with no data they use IDEM information with a peaking factor of 4. He explained that in this instance he would work into it based on the number of properties and use the flow data to compare.

**Mr. Sartell** stated that he would like to see a submersible station to deal with flooding.

**Mr. Brinkworth** asked if he said it was a shallow wet well.

**Mr. Christmas** stated that it is basically a manhole but it is the oldest station in the system as well.

**Mr. Sartell** stated that they have one on Camp Avenue that they are going to bid out and do in house

**Mr. Christmas** stated that they have the Jacobs Creek Project that has a proposal, the McLean Lift station, and the study of the storage and they can move forward any time the board is ready.

**Mr. Brinkworth** asked if McLean is in the budget to do.

**Mr. Wilkinson** stated that it is.

**Mr. Brinkworth** stated that they just need to make a motion at the next meeting to move forward and asked Mr. Christmas if he needs to bring something to the board.

**Mr. Sartell** asked if the administration is on board with this.

**Mr. Wilkinson** stated that he hasn't heard anything to the contrary.

**Mr. Brinkworth** asked if the administration was on board with Jacob's Creek because that needs to move forward because the price of surveying could double.

**Mr. Christmas** stated that he could present it however the board needs him to and asked how they wanted him to move forward.

**Mr. Wilkinson** stated that he knows that the Mayor wants time to look at it.

**Mr. Christmas** stated that he will put together the information for McLean and asked if they want him to present the storage study.

**Mr. Wilkinson** stated that he thinks they should.

**Mr. Sartell** stated that they need to be presented as two stand alone issues because it will make it easier.

**Mr. Christmas** asked if they have internal tracking numbers for these projects.

**Mr. Sartell** stated that they use a GL #

**There was a lengthy discussion regarding the manhole listing and how this will help the crew move forward.**

**Mr. Christmas** explained that it will make it easier to invoice with that so that it makes it easier for the Controller's office to keep track of. He stated that the action plan coming out of this meeting is that they need to sit down with the lining crew to define an SOP and get monitoring locations, EPA submittal, update flow data on Basin 16, and a proposal for McLean Lift Station, and the storage study.

**ADJOURN:**

**There being no further business before the board, the meeting adjourned at 12:15 p.m.**

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**Gary Brinkworth, Vice President**

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**Vicki Glotzbach, City Clerk**