

POLLUTION CONTROL FINANCING AUTHORITY
OF WARREN COUNTY

MINUTES OF REGULAR MONTHLY MEETING

September 27, 2021

Vice Chairman Richard Mach called the regular monthly meeting of the Pollution Control Financing Authority of Warren County to order at approximately 9:36 AM.

Authority Members present: Alex Lazorisak, Robert Larsen, Richard Mach, Dan Perez, and (Angelo Accetturo, via phone).

Mr. Mach asked to call the Monday September 27, 2021 PCFA meeting to order, please call the roll.

ROLL CALL:	Mr. Larsen	-	Present
	Mr. Lazorisak	-	Present
	Mr. Mach	-	Present
	Mr. Perez	-	Present
	Mr. Accetturo	-	Present (via phone)

Also present: Brian Tipton, General Counsel; Jonathan Knittel, Director of Operations; Jamie Banghart, Administrative Supervisor, and Mariann Cliff, Recording Secretary.

Also present: Brian Henning, Dave Heber and Pat Radomsky, Mott MacDonald.

The Pledge of Allegiance was led by Chairman Accetturo.

Mr. Mach read the following statement: “Adequate notice of this meeting of September 27th 2021 was given in accordance with the Open Public Meetings Act by forwarding a schedule of regular meetings of the Pollution Control Financing Authority of Warren County (PCFAWC) to the Warren County Clerk, the Warren County Board of County Commissioners, The Express-Times, and by posting a copy thereof on the bulletin board in the office of the PCFAWC. Formal action may be taken by the PCFAWC at this meeting. Public participation is encouraged”.

MINUTES

Mr. Mach stated that the first thing on the agenda was M-1 Regular monthly meeting minutes – August 23, 2021

Mr. Lazorisak made a motion to approve the Regular Monthly Meeting Minutes M-1 and the Executive meeting minutes M-2 from August 23, 2021

Mr. Mach asked if there was a second.

Mr. Perez stated that he would second the motions.

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

CORRESPONDENCE

Mr. Mach stated that moving on to correspondence item C-1 was a letter dated September 1st from the Passaic Valley Sewerage Commission regarding Liquid Waste Acceptance Permit, then asked if there were any questions or comments.

Mr. Mach stated moving on to C-2 a letter dated September 7, 2021 from the State of New Jersey, Request for Revised Ground Water Protection Plan, Landfill Expansion of Cell 7, and then asked if there were any questions or comments.

Mr. Mach stated moving on to item number C-3 Resolution 401-21 from The Board of County Commissioners of the County of Warren to Amend the Warren County Solid Waste Management Plan and then asked if there were any questions or comments.

Mr. Mach stated that there being none they would move on. Mr. Lazorisak stated just for the record, the County has removed Covanta from the Solid Waste Management Plan. Mr. Mach replied ok that was for the record so that would be in the minutes.

Mr. Mach stated item number C-4 Letter dated August 18, 2021 from the State of New Jersey Department of Environmental Protection, Request for Information PFAS Monitoring, there was a very long chemical name for that, any questions or comments?

Mr. Knittel replied that they would brief them in the Executive session, it was not a regulation it was a request for information. they had been selected randomly out of 40 facilities in the State to check for a new type of contaminate that does not have any regulation. They were in their information gathering stage.

Mr. Lazorisak replied that there were no regulations yet. Mr. Knittel stated exactly, so then they would use information gathered to then make regulations. Mr. Knittel stated that they would go over it a bit more in Executive.

Mr. Mach replied thanks.

PUBLIC COMMENTS (AGENDA ITEMS ONLY)

Mr. Mach asked if there were any public comments for agenda items only.

FINANCE

A-1

Mr. Mach stated since there were no public comments, they would move on to Finance with Mr. Knittel and Mrs. Banghart.

Mrs. Banghart stated that as they see on page two of the finance report they were still operating in the negative which was expected as cell 7 bills were being paid and waste flow had been cut back to preserve airspace until cell 7 was completed. As they could see, there was also a revised one. That was due to them getting the Tomco bill late, after the agenda went out.

Mr. Mach asked Mr. Knittel if he had any comments. Mr. Knittel replied that he did not at that time.

Mr. Mach replying that since there was no comments could he have a motion on the resolution R-09-01-21 to pay bills?

Mr. Perez stated that he would make the motion.

Mr. Lazorisak stated that he would make a second.

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

On a motion by *Mr. Perez*, seconded by *Mr. Lazorisak*, the following resolution was adopted by the Pollution Control Financing Authority of Warren County at a meeting held on *September 27, 2021*.

R E S O L U T I O N

R-09-01-21

To Pay Bills – September 27, 2021

WHEREAS, the Pollution Control Financing Authority of Warren County has been presented with invoices for services, supplies and other materials rendered to it or on its behalf;

NOW, THEREFORE, be it resolved by the Pollution Control Financing Authority of Warren County that the following bills be paid:

See Attached

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

We hereby certify Resolution to Pay Bills in the amount of \$ 1,642,068.82 to be a true copy of a resolution adopted by the Pollution Control Financing Authority of Warren County on the 27th day of *September*, 2021.

Mariann Cliff
Recording Secretary

James Williams
Director of Operations

Approved: 09/27/21

PERSONNEL

Mr. Mach stated that next they have personnel, and then asked Mr. Knittel if he had any comments.

Mr. Knittel replied yes, he did, the first month has been completed and it had just been a great month meeting the staff, the personnel. He has met all the people on site and they have their work cut out for them. As they go through the next four or five months, they do have some major repairs and maintenance items that they would work into their schedule. Based on the first month he really looks forward to the coming months and years. There was a lot that needs to be talked about but at this point he was just so impressed with the staff that was there and the work that they were doing and even though there were some shortcomings, as far as the conditions of the facility he can see that it was not on any one person. Now it was a group, this was a team and they were going to wrap our hands around some remediation that needs to be done. Mr. Knittel stated that they would talk about that a little more in Executive session, the remediation specifically. Some of it was erosion from storm damage, and some of its undergrowth that has been growing for years that they need to take care of.

Mr. Knittel stated that they did have a great meeting with the State this past week and they would go over that in more detail. For now, for personnel he does not have anything further.

PRESENTATIONS

Mr. Mach stated that the next item would be presentations, and then asked if there were any presentations. Seeing none, they would move on.

REPORTS

Mr. Mach stated moving on to reports, which would be Mr. Knittel again. Landfill operations, cell 7 construction, QC engineer update QA Engineer update.
Mr. Mach asked Mr. Knittel to go through those items.

FACILITIES/RECYCLING

Mr. Knittel replied absolutely.

Daily landfill operations.

They have their daily cover and the intermediate cover and some of their intermediate slopes have been found to be needing some maintenance. Currently the cover system they have, was using a lot of their own on-site soils which tend to be more sands and gravels with some silt, it was pretty porous. In the immediate future for the cover system, they would be looking to start importing ash as soon as possible. There were some emails going back and forth that suggests there may be Covanta ash, at X number of thousand yards per year. We were on board with that. They were also looking for the cover system, importing processed dredge material from the Newark harbor dredging project. That sediment is an engineered product after they mix it with Portland cement. It is then tested and results are then sent to the DEP. The DEP has already approved processed dredged material at the Kinsley Landfill in New Jersey. That PDM was being used to reshape side slopes and as daily cover.

Mr. Knittel stated that they were definitely pursuing those two types of soils for both: daily cover and for the shaping and maintenance of their side slopes that need some care.

Mr. Knittel stated that as far as the leachate, over the last four weeks they have struggled to keep up with the amount of leachate generated from seasonal storms. They have hired some emergency haulers. They have utilized on-site tanks for the storage of leachate. They have received permission from the NJ DEP to re-circulate leachate on a temporary basis on a 90-day approval with some conditions of extra monitoring and reporting back to the DEP and that technology has many advantages.

Mr. Knittel stated that the DEP is looking forward to the positive outcome of that, because it was not being utilized in the State and it was definitely a beneficial aspect of landfill management.

Mr. Knittel stated that they would be the only active landfill in the State of New Jersey that has recirculation. As of Friday, they received permission, that would be an interesting and useful tool for both PCFA and the State moving forward.

Mr. Lazorisak asked how many gallons a day were they looking to recycle into it.

Mr. Knittel replied that it was about 80,000 gallons per day and they may, because it was a temporary approval, if the health of the landfill is stable with that 80,000 per day, they could go up to 160,000 per day. Those were self-imposed limits to keep the landfill healthy. To keep the well temperatures within range and the oxygen content where it needs to be. Mr. Knittel stated that all of those parameters they worked out with the State on how they were going to keep an eye on that. They did test pits in the active cell and they found as expected lots of item 13 not very much item 10 because of the nature of this site. The material was found to be in a very dry condition despite a little higher than normal rainfall over the past few months. There was a very good vertical distance of trash, and they do not expect to see return

for several months. In that period of temporary recirculation, they would be able to lower the lagoons to a very safe level and they would be able to do a lagoon repair projected for mid-November.

Mr. Knittel stated that at the same time Tomco construction would be making a penetration into the leachate tank. That's it for the leachate.

Mr. Mach stated that he had a question, for his information more than anything else. When you say 'recycling' you say you were recycling at the rate of 80,000 gallons per day? Mr. Knittel replied yes.

Mr. Mach replied that was a lot of liquid. Mr. Knittel replied yes it was.

Mr. Mach asked how many truckloads that was. Mr. Knittel replied that with the 5,000-gallon short truck because of maneuverability to get to the top slope. They could make up to about 14 trips in a workday. That total gallon is more than double of our normal daily leachate production.

Mr. Lazorisak stated that he was just going to ask that.

Mr. Knittel continued that they were catching up and they maintain our current haul rate with our primary hauler at the same time. They were not cutting back on any hauling. The idea was to get ahead very quickly in a short period of time. At the same time, they were watching all of the wells and the gas flow coming in both in cubic feet per second, the different parameters, oxygen H₂S and methane. They watch those numbers in a controlled manner at a higher frequency than normal to be able to show it to themselves and to the State that there are no detrimental effects to the recirculation. Because there was 100 feet of trash that appears to be in a very dry state, at least the upper 15 feet that we could see. They do not expect a return to come back for several months.

Mr. Mach asked Mr. Knittel how they were applying it when you bring it back up to the top, do you spray it on? Mr. Knittel replied no it was being put into an injection point at two specific locations. The well nearest that injection point would be the well that gets the most monitoring of course. The injection point can be as simple as a test pit that has been fenced off properly with safety orange fencing. Alternatively, it could be a hole that was excavated and a four-foot diameter pipe that was perforated would be inserted. Then the 5000-gallon tanker would back up to the port and insert the water into that pipe.

Mr. Mach asked at some point do you not reach a level that you cannot add any more leachate in because of reprocessing.

Mr. Knittel replied yes, so when they say recirculated, it sounds like it is coming back to us immediately and that word is misleading. In effect, you have to saturate the material first in that area before you would ever see recirculation. Creatively you could call it hydration of the trash, you could call it a lot of things but, that technology is a hole that they just lump it in as recirculation assuming that you would see some volume back in the future. When the trash gets to the point that it cannot hold anymore, what they call head pressure builds up and that water under gravity is going to go down to the bottom liner and come back to us under gravity. Eventually you would see return, but for the short-term the first few months it would be hydration of the trash is what we are doing. That also makes the trash healthier thus helping the landfill, it helps the bugs and the bunnies in there digest and decompose the trash. It generates more airspace and there are pros and cons but the general consensus is that more and more landfills will be doing this recirculation.

Mr. Mach asked if there was any odor. Mr. Knittel replied that the odor would generate once at your first part of the reaction, the initial bugs start to multiply because they now have an environment that is warm and wet, that they need to be able to thrive. The methanogenesis bugs come slightly after an initial kick in H₂S. Therefore, we will be measuring H₂S raw gas before it goes to our treatment system on a twice-daily basis. They would watch the incoming raw gas numbers and as they climb. There is no regulation on how high they climb but we control the H₂S so that they do not prematurely burn up their media.

Mr. Knittel stated that their media was forecasted to last until 2022 – 2023. That was based on around 500 parts per million H₂S incoming. So, if they double that, they essentially half the life of the media. That was one of the drawbacks of getting the bugs happy. Once the bugs are thriving the H₂S then drops off and the methane picks up. Increase in methane was not a problem for them because they have control wells and they were pulling it and flaring off excess methane. They would see methane also increase, neither one of them was a problem for odor because of our H₂S scrubber. The media scrubs out that H₂S down to less than 10 parts per million currently and our permit says that they have to change the media before they hit 120. They were only at 10% of our H₂S numbers so they were comfortable on the odor question.

Mr. Mach replied ok, that was the only question that he had. The concern, which he brought up before, was with the neighbors. Mr. Knittel replied absolutely. Mr. Mach continued and stated that if odors worked their way down the river and then followed the river down to the school then they would have a problem, so they have to keep an eye on that.

Mr. Lazorisak stated that he had a follow up question, now that they have a handle on the leachate what is the plan with dealing with the repairs. He would guess that they have to drain the lagoon and the tank first before they could see what kind of repairs would be needed versus where were we with the overall lining of this and the age of the lining. Moreover, the cost of putting in a brand new liner in this.

Mr. Knittel replied that in a nutshell, they do have a quote for both the primary and secondary liners in the lagoon. It was 700,000, it is debatable from 700,000 to 900,000 depends how you calculate the volume. That liner they have a quote and they believe that they could proceed with that repair as early as the second week of November which would entail getting rid of 2 million gallons from both of the lower lagoons and half a million gallons from the current tank. Therefore, 2.5 million gallons would be recirculated and or at the same time be disposed of off-site. All the while, that new leachate is coming at them. Therefore, one of the key things that they need to do engineering wise was bypass from the very last manhole, and hard pipe down to the white lined lagoons. This way while the contractor is in the concrete tank, he could have a completely dry scenario to remove the liner. Any sludge would be vacuumed and disposed of off-site at PVSC. The liner itself would go to the top of the hill, the liner could be replaced in November and the penetration for the new construction would be made at that same time. This would allow for the one-time lowering of the tank. The alternative if they get that tank pumped down and they see that there is a very easy and simple repair, it could be done. They would be able to update the Board more when they see that. Based on the age of the liner they would anticipate going with the replacement of both the primary and secondary liner in that tank.

Mr. Lazorisak stated that he presumed that this was an emergency repair and that it was emergency repair under the public contracts law. Mr. Lazorisak asked Mr. Tipton that under that law they could award that. Mr. Tipton replied yes, they could. Mr. Lazorisak stated that he had asked Mrs. Banghart a couple of weeks ago to run through the capital and let them know what has been spent and what was earmarked to come up. Mr. Lazorisak then asked Mrs. Banghart replied that they were, and they would discuss that in Executive session. Possibly the cell 7 construction may be done in June, so with their expenditures happening it was approximately three to four million that they would have left.

Mr. Lazorisak replied minus a million for the liner.

Mrs. Banghart replied that it was \$180,000.00 when she looked at the quote and gave it to the Board in July. Mr. Lazorisak replied for the liner? He apologized and said he thought that they said 700,000 to 900,000.

Mr. Knittel stated that was 700,000 to 900,000 gallons, the quote was \$180,000.00. Mr. Lazorisak replied ok, thank you.

Mr. Mach asked Mr. Knittel if there was anything else to cover, he had done the landfill operations. Mr. Knittel replied that the cover and the leachate were the two biggest items. They do have a remediation plan that they would talk about in the Executive session. They have done some fresh volume calculations and in the solar field, they have a proposed storm water pipe installation that they would discuss later. As far as operations, the new D-6 has not arrived. It should be in its final preparation stage so they should have that soon. They still have the rental they have been in talks with Foley about the rental costs being applied to the purchase price, along with the undercarriage maintenance of that machine. It was a costly item so they were trying to build in the undercarriage repair along with credits for the rental and get that as a purchase. When you purchase a rental, there are cost savings instead of just losing a year and a half of rentals. They would be able to apply that capital to a machine. That machine would also be critical in having available to perform on the necessary slope regrading and maintenance that both myself and the State has identified as in immediate need of repair. That was where they were at with the Foley D-6 rental machine. Mr. Knittel stated that was all he had for operations.

Mr. Mach stated that the next item was A-2 the waste disposal fee schedule; there was no change on that. Mr. Mach stated item A-3 Recycling program, this was a summary of what they have been doing so far. Do they have any updates coming up do they want to discuss that right then?

Mrs. Banghart replied that on October 3rd they would be having their household hazardous waste event, everyone was given a flyer as well. That would be Sunday for Warren County residents only from 8:00 to 12:00.

Mr. Mach asked if it would be run by PCFA's staff. Mrs. Banghart replied that we have a company that we hire for these events. It is completely held by them, and the PCFA just monitors the people coming in.

Mr. Mach stated item A-4 tire recycling program they have the results in chart form in front of them. single stream recycling program was A-5 were there any comments for any of this. Mrs. Banghart replied no, everything was going very well with the recycling.

Mr. Mach stated that they had a resolution R-09-02-21 Resolution to Award a Contract for Removal, Hauling, Delivery, and Disposal of Untreated Leachate Generated from the Warren County District Landfill. Mr. Mach asked if he could have a motion to approve that resolution and the award.

Mr. Larsen stated that he would make a motion.

Mr. Lazorisak stated that he would second the motion.

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

Mrs. Banghart stated that we are awarding this to Russell Reid, because Russell Reid was the lowest bidder.

Mr. Mach stated on to A-7 bid for topographic survey, that was for information purposes? Mrs. Banghart replied yes.

Mr. Mach asked how often that would be done just for curiosity. Mrs. Banghart replied that was done every year.

Mr. Lazorisak stated that he would make a motion to put it out to bid.
Mr. Mach stated that he would second it.

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

Mr. Mach stated that next item was A-8 draft bid for household hazardous waste. That has been postponed until the next meeting.

Mr. Mach stated the next item A-9 draft bid for grass mowing and grounds maintenance, and then asked for a motion to put it out to bid.

Mr. Larsen stated that he would make the motion to put it out to bid. Mr. Mr. Lazorisak stated that he would second it.

ROLL CALL:	Mr. Larsen	- Yes
	Mr. Lazorisak	- Yes
	Mr. Mach	- Yes
	Mr. Perez	- Yes
	Mr. Accetturo	- Yes

GENERAL COUNSEL'S REPORT

Mr. Mach stated that the general Counsel's report was next.

Mr. Tipton replied that the only thing that he had was, he had given them an update on Covanta. they should probably discuss that briefly in Executive session. Mr. Tipton stated that they had received a letter today from Eversheds and Sutherland on behalf of Tensar Corporation a challenge to a material being used by Tomco on the project. This could also be discussed in the Executive session.

Mr. Mach replied ok.

OTHER

Mr. Mach asked if there were any other business to discuss, before going into Executive session.

Closing Public Comments

Mr. Mach asked if there were any closing public comments.

PRESS COMMENTS & QUESTIONS

Mr. Mach asked if there was anything else, any comments.

EXECUTIVE SESSION

Mr. Mach asked for a motion to go into Executive session.

Mr. Larsen stated that he would make the motion to go into Executive session.
Mr. Lazorisak stated that he would second the motion.

Mr. Mach asked if they would like to give a purpose at this time.
Mr. Tipton replied that the purpose would be to discuss contractual matters involving Tomco as well as the Tensar letter and the negotiations with Covanta also involving contractual matters.

ROLL CALL: Mr. Larsen - Yes
 Mr. Lazorisak - Yes
 Mr. Mach - Yes
 Mr. Perez - Yes
 Mr. Accetturo - Yes

*****Executive session started at approximately 10:05am***

***** Brian Henning, Dave Heber and Pat Radomsky, Mott MacDonald left the Boardroom at approximately 11:22am***

*****Executive session ended at approximately 11:24am***

Mr. Mach asked for a motion to come out of Executive session.
Mr. Lazorisak stated that he would make the motion.
Mr. Larsen stated that he would second the motion.

ROLL CALL: Mr. Larsen - Yes
 Mr. Lazorisak - Yes
 Mr. Mach - Yes
 Mr. Perez - Yes
 Mr. Accetturo - Yes

ADJOURNMENT

Mr. Mach asked if there was anything else.

Mr. Lazorisak stated that he would make a motion to adjourn.
Mr. Mach stated that he would second that motion.

ROLL CALL: Mr. Larsen - Yes
 Mr. Lazorisak - Yes
 Mr. Mach - Yes
 Mr. Perez - Yes
 Mr. Accetturo - Yes

***** Meeting was adjourned at approximately 11:25***

Respectfully submitted by:

Mariann Cliff

Recording Secretary

Approved: October 25, 2021