

RESOLUTION AUTHORIZING MEETING MINUTES OF DECEMBER 14, 2017**MOTIONED BY:** Velazquez**SECONDED BY:** Assadourian

WHEREAS, the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

WHEREAS, a regular meeting of the Authority was held on December 14, 2017; and

WHEREAS, minutes of the meeting have been prepared by General Counsel and presented to the Authority members and staff for their review.

NOW, THEREFORE, BE IT RESOLVED that the Authority hereby approves the minutes of the meeting of December 14, 2017 for the record.

DATED: JANUARY 18, 2018

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Assadourian	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez	x		
Commissioner Velazquez	x		
Commissioner Roque	x		
Commissioner Zucconi	x		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON JANUARY 18, 2018.



SECRETARY

NORTH HUDSON SEWERAGE AUTHORITY

MINUTES OF REGULAR MEETING

DECEMBER 14, 2017

At approximately 6:35 p.m, Chairman Brian Kappock called the meeting to order.

Counsel Leanza advised that since this was a regularly scheduled meeting of the Authority with notification thereof published and disseminated pursuant to the Open Public Meetings Act, all appropriate actions could be taken therein.

In addition to Chairman Kappock, Commissioners Assadourian, and Gardiner were in attendance at the meeting with Commissioners Sanchez, Roque, Marotta, Zucconi, Friedrich and Velasquez participating by telephone. It was noted that Commissioner Velasquez's grandfather had recently passed away and that Commissioner Velasquez's attendance at the meeting was limited so that he could participate in arrangements.

Executive Director Dr. Wolff advised it might be advantageous because of all of the Commissioners participating by telephone to consider the consent agenda first and to add the prior meeting minutes to the consent agenda.

Chairman Kappock directed the same and Dr. Wolff reviewed the consent agenda with the Commissioners as follows:

- A. Resolution 17-097 authorizing the minutes of the November 16, 2017 meetings. Dr. Wolff noted that since all of the Commissioners are present now, these minutes could be added to the consent agenda.
- B. Resolution 17-098 authorizing the payment of bills. The bill list consist of \$1.3 million dollars for the operating fund, \$1.08 million dollars from the capital fund, \$41,200.00 in emergency expenditures and \$9,480.00 received with regard to connections.
- C. Resolution 17-099 for miscellaneous repairs. This month resolution includes one (1) broken manhole casting and one (1) collapsed catch basin in Hoboken and two (2) collapsed catch basins in West New York for an estimated total of \$17,850.00.
- D. Resolution 17-100 authorizing a interlocal agreement with Weehawken. This is in regard to the fats oil and grease storm water management agreement Dr. Wolff explained as he had previously done with the Commissioners, that one of the major problems the Authority had with regard to both the collection and treatment system was unwanted oil and grease in the system which tends to clog up pipes, pumps and

other equipment resulting in unwarranted maintenance costs. Over the years the Authority has tried to both unilaterally and in conjunction with its constituent municipalities address these issues but the same has been every difficult because of jurisdictional issues as well the lack of training on the part of some of the municipal employees. Under this agreement the Authority has the right in perpetuity to enforce regulations that it will promulgate and have enacted by ordinance referencing the same regarding both fats, oils and grease and the required storm detention system and maintenance thereof. The Authority will also collect the fines thereon and do the same through the municipal courts which will be allowed to keep the court costs. In consideration of their cooperation and use of the municipal courts, the municipalities will each get the sum of \$2,000,000.00 paid in five annual installments of \$400,000.00 each. It is not expected that this will be a money maker but the primary goal will be to comply with our permit requirements and reduce operating costs at the treatment plants and within the collection system. Weehawken has already executed the agreement and this resolution authorizes us to enter into that same interlocal agreement and has been previously approved by the Finance Committee.

- E. Resolution 17-101 authorizing an interlocal agreement with West New York. This is the identical agreement with identical terms as 17-100 but with West New York and has also been approved by the Finance Committee.
- F. Resolution 17-102 authorizing amendment of the fiscal year end 2018 adopted budget. This amendment enables the Authority to pay Weehawken and West New York the first installment on the fat, oil and grease and storm water management agreement. It is noted that the Authority has already reserved the full cost of payments to all four municipalities in the budget so there is no impact upon our rate and this resolution has been approved by the Finance Committee.
- G. Resolution 17-103 authorizing amendment of the fiscal year 2019 approved budget. This amendment to next year's budget provides the same reserve fund for the second payments to Weehawken and West New York. When the Authority has signed agreements with Hoboken Union City, the budget will be amended to make payments from the reserve fund allocated to this purpose. Again there is no impact upon the rate for next year and this resolution has been approved by the Finance Committee.
- H. Resolution 17-104 sewer connection for the Hudson Tea Building D in Hoboken. It is estimated for 24,205 gallons per day and includes a 12 story building with 99 apartment homes and a 128 seat restaurant and parking garage. The connection fee was paid some years ago with the original Hudson Tea development application and has been approved by the Facility Review Board.

- I. Resolution 17-105 authorizing an award of contract for 2018 Authority Consulting Engineers: as the Commissioners are aware a request for proposal was published for Authority Consulting Engineer and four bids were received there on. After scoring the bids on the basis of engineering competence, experience, resources at disposal and price, the Authority Engineer recommended the incumbent consulting engineer, Kevin Wynn from Mott MacDonald who also happened to come in as low bidder at \$165,000.00. The Executive Director accepted the recommendation and advanced it to the Facilities Review Board where it was approved. In this year, the Authority is not permitting the consulting engineer to bid on any new engineering services during construction or design work in order to concentrate him on oversight, relations with the DEP and long term planning.

- J. Resolution 17-106 authorizing an award of a contract for PURAC Phase III engineering services during construction. Dr. Wolff reminded the Commissioners regarding rebuilding of the PURAC treatment system at the Adams Street plant and that the Authority is embarking on the third and final phase of what is a very difficult and complicated project. CH2M has been the engineer on this project to date and this resolution accepts the CH2M's proposal that includes services related to the contract construction bid, construction oversight, administration and special inspections. The proposal is for \$1,268,000.00 and has been approved by the Facilities Review Board.

- K. Resolution 17-107 authorizing change order No. 2 for PURAC Phase II. This change order is for \$73,000.00, \$68,000.00 of which is requested for our requirement that the contractor accelerate his schedule. The problem arose when the amount of sand to be removed from the clear well far exceeded the expectation with more than twice as much sand as had been expected. This resulted in additional costs for labor, container rentals, disposal fees and transportation costs. The overall contract modification will also include a credit of \$19,332.00 as the Engineer revised design of the clear well access hatch and saved money in the process. This change order has been approved by the Facilities Review Board.

On motion of Commissioner Assadourian, seconded by Commissioner Velasquez the consent agenda was unanimously adopted with eight votes in the affirmative and Commissioner Marotta not present.

At approximately 6:45 p.m. Commissioners Kappock, Velasquez and Roque were forced to leave to attend to other municipal action.

Dr. Wolff next addressed the Commissioners regarding Senate Bill No. 898 and distributed both copies of the same together with correspondence and back up material from the Association of Environmental Authority. Basically this Bill attempts to cap the budget increases for certain authorities including the North Hudson Sewerage Authority to only a 2% limit. This would have a serious negative affect upon the Authority as to all of its flow that passes through the Passaic Valley

Sewerage Commission, that being sections of Hoboken and Union City would not be limited to a 2% increase, in fact, the Authority has already received notification that those increases might be at least 5% annually. And it would serious impede our following various State and Federal programs and be able to maintain our collection and treatment systems while still attempting to comply with CSO and other requirements. Dr. Wolff asked all of the Commissioners to contact their legislatures to express the Authority's concern of the impact of this Legislation on the Authority's ability to correctly maintain its system and comply with governmental requirements.

In Chairman Kappock's absence, Executive Director Wolff next asked for the engineering reports.

MOTT MACDONALD

Kevin Wynn reported as follows:

1. With regard to the collection system characterization study, all closed circuit television inspections of the combined sewer systems in West New York and Union City have been completed and the Authority had commenced working in the Northwest section of Hoboken. This work is all being performed as part of the Authority's long term control plan.
2. With regard to the leak detection program, the most recent meeting was held with Suez Water on November 2, 2017 in an attempt to identify additional leakage into the West New York drainage area.
3. With regard to the W1234 solids and floatables facilities, the contractor has enclosed the cofferdam structure and has completed all dredging work.
4. With regard to the combined sewer regulator upgrades and improvements, the project has now been closed out.
5. In connection with 2017 collection system improvements, the contractor has completed the work in West New York and will be starting work in Union City.
6. With regard to the Hamilton Avenue sewer projects, the majority of the lining work with the exception of one small stretch awaiting Suez Water completion of relocation of a section of water main has been completed and it is anticipated that the Authority's contractor will complete the sewer repair the week of December 18, 2017.
7. With regard to the Park Avenue siphon improvements, the last reach of the existing 12" siphon has been lined and placed back into service and the only remaining work is the final paving along Hackensack Plant Road which is awaiting favorable weather

conditions.

8. With regard to PURAC Phase II, the contractor has successfully removed the additional sand from the clear well and completing design of a permanent hatch way to the clear well and additional sludge piping.
9. With regard to the 2017 River Road wastewater treatment plant improvements, bids are expected to be received on January 17, 2018.
10. With regard to the 2017 River Road wastewater treatment plant collection system characterization, Mott MacDonald was working on hydraulic modeling for the tributary area to the River Road plant in support of the Authority's long term construction plan.
11. With regard to the H-5 Madison Avenue drainage improvements, Mott MacDonald is currently working on the plans and specifications for the replacement of the combined sewer between 9th and 11th Street and a progress meeting with the City of Hoboken is scheduled for December 19th.

CH2M

Bill McMillin of CH2M reported as follows:

1. With regard to the Adams Street wastewater treatment plant Phase III PURAC upgrades design, CH2M has finalized the design and progress in preparing bid documents, and assisting the Authority in the funding and bidding processes. The final design from the dissolved air floatation system supplier and under drain supplier were integrated into the contract documents. CH2M obtained the results of the concrete coring and has added necessary structural improvements to the design. The overall design was then finalized. Contract documents have been split into a general construction contract and three equipment purchase construction contracts to facilitate pre-procurement for an optimized construction schedule. The documents are in review with the Authority for submission to the NJEIT and when approved, for bidding.
2. With regard to the combined sewer overflow projects, CH2M continued working with OMI in coordinating compliance with scheduled CSO related submission in the Authority's New Jersey point discharge elimination system permits, public notifications, and public participation. CH2M is tracking the status of sewer condition assessments projects with closed circuit TV being conducted by Mott MacDonald. CH2M is overseeing characterization work on the H1-H5 characterization and drainage planning project, the H6/H7 CSO long term control project, the Adams Street Wastewater treatment plant, Weehawken/Union City

characterization project and the River Road wastewater treatment plant characterization project. CH2M reviewed a base line compliance monitoring data report by the New Jersey Combined Sewer Overflow group that will be used for the Authority's long term control plan to be submitted in 2018.

3. With regard to the combined sewer overflow water quality sampling, CH2M has finalized a technical memorandum reporting on the sampling activities and finding for the Authority's review.
4. Weehawken and Union City combined sewer characterization for the Adams Street wastewater treatment plant in support of the long term control plan saw CH2M continuing to work on the sewer system inventory, the service area analysis, collection system monitoring and identification of sensitive areas.
5. With regard to the H6/H7 CSO long term control project, land survey work was completed while developing conceptual alignments for collection system modifications including new storm sewers. The project team participated in an engineering coordination meeting with the Authority and the City of Hoboken's northwest resiliency park project team on November 27, 2017.
6. With regard to the H1-H5 combined sewer system characterization and drainage planning for the Adams Street, CH2M continued the characterization phase of the project with work on the sewer system inventory, service area analysis, collection system modeling and identifying sensitive areas.

GREELEY & HANSEN

Michael Hope reported as follows:

1. With regarding the electrical switch gear replacement, the contractor has finally delivered the signed and sealed drawings to the permit office of the City of Hoboken.
2. With regard to the 2015 Adams Street PURAC Phase I, Greeley & Hansen are reviewing change order requests from the contractor due to additional work related to the turbidity meters and effluent valves.
3. As previously noted to the delay with the software transfer programing at subsequent testing and implementation, finalization of this project was somewhat delayed due to the challenges with the turbidity meters the contract is now not scheduled to be completed until January of 2018.

OMI

Don Conger of OMI reported as follows:

1. With regard to the Adams Street facility, the facility did not meet weekly geometric mean average permit limits for the month. All other parameters were met. The facility had percentage removals of BOD and TSS of 87% and 88% respectively with a permit requirement of 85%. With regard to thirty day effluent concentration it achieved limits of 20.6mg/L and 16.2 mg/L for BOD and TSS respectively with 30 mg/L permit requirement. The reason for the variation from the geometric mean averages was likely the problem with chain failures in clarifier two due to sand entering from the PURAC backwash tank. In order to prevent additional sand from entering the primary clarifiers of PURAC dirty backwash tank clean out project has commenced and the work being done with respect to the PURAC II will also remove additional sand.

For the month the average daily flow in Hoboken was eleven million seven hundred eighty thousand gallons with 568,800 gallons of sludge hauled.

2. With respect to the River Road project, it had attained all permit parameters for the previous month. With regard to percent removals, percentages of 92% and 91% for CBOD and TSS removals were achieved respectively with a 85% permit requirements and as to effluent concentration, 14 mg/L and 13 mg/L were attained with regard to CBOD and TSS respectively with 25 mg/L and 30 mg/L permit requirements. The monthly geometric means for coliform were also met. The previous monthly average daily flow at the West New York was seven million seven hundred sixty thousand gallons per day with 264,000 gallons of sludge hauled.

With respect to the collection systems, in the previous month all pump stations, regulators and other aspects of the collection and transmission system were working. There were sixteen catch basins cleaned, 8,300 linear feet of sewer main cleaned and 40 cubic yards of debris removed in the previous month.

With regard to FEMA grant projects and Sandy recovery, we are waiting on a temporary generator to be installed and go online prior to installation of the temporary switch gear.

There being no further action or comments before the Commissioners on motion of Commissioner Assadourian, seconded by Commissioner Gardiner, it was unanimously resolved to adjourn the meeting at approximately 7:05 pm.