

RESOLUTION AUTHORIZING MEETING MINUTES OF APRIL 19, 2018

MOTIONED BY: Velazquez

SECONDED BY: Gardiner

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 April 19, 2018; 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 April 19, 2018 for the record.

DATED: MAY 17, 2018

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSTAIN
Commissioner Soares	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 MAY 17, 2018.

Erika Zucconi

SECRETARY

NORTH HUDSON SEWERAGE AUTHORITY

MINUTES OF REGULAR MEETING

APRIL 19, 2018

At approximately 6:30 p.m, Chairman Brian Kappock called the meeting to order.

Counsel Leanza stated that this was a regularly scheduled meeting of the Authority and that the requisite notices had been published and distributed pursuant to the Open Public Meetings Act so that all appropriate actions could be taken at the meeting. Counsel Leanza then called the roll with Commissioners Friedrich, Roque, Gardiner, Velasquez, Zucconi and Soares present, Commissioners Sanchez and Marotta participating by telephone, in addition to Chairman Kappock, there being the full compliment of nine commissioners at the meeting.

On motion of Commissioner Velasquez, seconded by Commissioner Gardiner, Resolution 18-028 authorizing the minutes of the February 15, 2018 meeting were adopted with seven votes in the affirmative and Commissioners Sanchez and Zucconi abstaining because of their absence from the meeting.

On motion of Commissioner Velasquez, seconded by Commissioner Zucconi, Resolution 18-037 authorizing the minutes of the Authority's March 15, 2018 meeting was adopted with seven votes in the affirmative and Commissioners Marotta and Sanchez abstaining because of their absence from the meeting.

Chairman Kappock next asked for reports to the Commissioners.

CH2M

Michael Wilson of CH2M now technically Jacobs Engineering reported as follows:

1. With regard to the Adams Street wastewater treatment plant, Phase II Purac upgrades, CH2M continued coordinating with the Authority and the equipment manufacturer to complete the agreement for the equipment purchase in compliance with loan requirements. It was noted that bids are expected to be received on May 1st and that CH2M had prepared three addendums to the same.
2. With regard to the combined sewer overflow projects, CH2M continues as project manager for development of the combined sewer overflow long term control plan and is working with OMI to coordinate CSO related submissions to the Authority's NJPDS permit requirements including public notification and public participation. CH2M is also overseeing the characterization work on the H1-H5 drainage planning

project and similarly with respect to the H6-H7 CSO long term control projects. CH2M attended a New Jersey permitting network meeting on April 9, 2018.

3. With regard to the Weehawken and Union City characterization site, CH2M continued working on the sewer system inventory and service and land use analysis.
4. With regard to the H1-H5 characterization and drainage planning for Adams Street, CH2M continued characterization phase of the project with work on the sewer system inventory service area and land use analysis collection system modeling and identification of the sensitive areas.

MOTT MACDONALD

Kevin Wynn reported as follows:

1. With respect to television inspections of the West New York, Weehawken and Union City collection systems, the work is completed and is in a close out phase with extra money in the budget therefore being used for television inspections of lines in Hoboken.
2. Mott MacDonald continued to work with Suez engineers in identifying leaks in the water system that were contributing to infiltration at the River Road facilities.
3. With regard to W1234 solids and floatables facility, the contractor has completed the cofferdam, the pile driving, the slab and is now dewatering the same and will soon be installing the netting modules. A meeting was held with representatives of Weehawken to review the final landscaping of the facility and it is expected that we will meet during July 2018 completion date.
4. With regard to the sewer rehabilitation in West New York, the work is almost complete and extra money left in the budget therefor will be utilized in Union City along Palisade Avenue and in Hoboken along Washington Street.
5. With regard to the Park Avenue siphon project, we are awaiting completion of some curbing work by Union City and then the Authority's paving work will complete the job.
6. With regard to the River Road treatment plant upgrades, the contractor has mobilized with regard to the boiler replacement and odor control modification.
7. Mott MacDonald continues its hydraulic modeling with regard to the River Road plant.

8. With regard to the H-5 Madison Street project, an agreement has been reviewed with the City of Hoboken and should be ready for execution in the near future.
9. With regard to the green infrastructure projects, Mott MacDonald continues to work with Union City, Weehawken and West New York to identify appropriate locations.

Commissioner Soares inquired as to whom Mott MacDonald speaks with regarding both the H5 and Madison Street projects.

Mr. Wynn replied that his primary contact was Jennifer Gonzales but that other people in the City administration, including Administrator Marks are involved in the discussions.

Mr. Pocci also noted that the Authority and the City are meeting with the owners of 800 Madison Street, Avalon Projects with regard to modifications in the commercial, common space it owns on the corner of 9th and Madison with regard increasing the elevation thereof.

Commissioner Gardiner inquired as to whether this Madison Street project could be completed within a year.

Mr. Pocci indicated that once work commenced the project should proceed smoothly and be done within a year.

Commissioner Friedrich inquired will this project help alleviating some of the flooding conditions that result in heavy rainfall such as last Monday.

Mr. Pocci replied that it would and that in connection with the installation of new detention systems would show an immediate decrease in flooding.

GREELEY & HANSEN

Greeley & Hansen reported as follows:

1. With regard to the electrical switchgear replacement in Hoboken, the existing switchgear had been removed, installation of the new switchgear is being commenced and the job should be completed by the end of July.
2. With respect to the Purac I upgrades, as built drawings were complete. We're working to obtain the final close out documentation and complete operator training and that job should be closed out within the next month or so.

OMI

Don Conger reported as follows:

1. With regard to the Adams Street facility, the facility met all permit parameters for the month with the exception of percent removal of BOD and one weekly fecal coliform exceedence. BOD percent removal was 83% with a permit minimum removal of 85%. TSS removal was 88% with permit requirements of 85%. Monthly average effluent BOD was 22 mg/L and TSS effluent monthly average was 17 mg/L, both have a permit limit of 30 mg/L. The monthly geometric mean for fecal coliform was 182 cfu with a permit limit of 200 cfu. The maximum weekly average for geometric coliform measurement was 442.4 cfu with a permit limit of 400 cfu. Two weekly violations were noted and the same should be remediated by an addition sand in the Purac system. The lack of meeting BOD removal requirements was due to lower than average in fluent BOD concentrations connected with a very high daily average flow because of the rain.

Mr. Conger also reported on the successful operation of the detention system in the southwest resiliency park during the recent heavy rain falls immediately after installation of the detention and metered system. He demonstrated to the Commissioners the real time operation of the system and how it used timely weather information to measure the release of water captured in the detention tanks either in anticipation of heavy rain or to allow the flow out at a lesser level in dryer conditions. Both Commissioner Soares as well as Commissioner Kappock asked for a explanation of the system.

Mr. Conger and Mr. Pocci reported that the system is really a large underground tank and that the historical problem with the same was regulating the outflow from the tank after a rain event and trying to anticipate subsequent events so that wet weather conditions and overflows would not be exacerbated. On almost an experimental basis, the Authority working with the developer of the new valve system installed the new system at the southwest resiliency park and immediately after installation the wet weather event showed how well it worked. The Authority is anticipating installing the valve system in other locations throughout its system where there are large detention facilities and also posting the operation of the valves and the water content of the tanks as well as outflow to the Authority's website so that the same can be viewed in real time and online.

2. With regard to the River Road facility, Mr. Conger reported that it met all permit requirements and parameters for the month except percent removal of CBOD. The effluent concentration for CBOD was within the permit parameters with a monthly average of 22 mg/L with a permit limit of 25 mg/L. The effluent concentration for TSS with within the permit parameters with a monthly average of 18 mg/L with a permit limit of 30 mg/L. The monthly average geometric mean for coliform was met, the geometric monthly mean was 7 cfu with a limit of 200 cfu. The maximum seven day geometric mean average value was 16 cfu with a limit of 400 cfu. The monthly average for chlorine residual was less than 0.03 mg/L with a limit of 0.1 mg/L. The

reason for not meeting the percentage removal requirement for CBOD was again lower than average in fluent BOD concentrations together with a very high daily average flow because of the heavy rain flow. The average flow for the River Road facility was 9,560,000 gallons per day. Also 432,000 gallons of sludge were removed from the facility.

With regard to Sandy recovery projects, as reported earlier, the major one is the electrical feeder repair project. All of the buildings in the facility were transferred over to the temporary switchgear system using the new conduits and cable systems. The contractor has begun removal of both sets of old electrical feeders in the existing banks and will then install new wire in the existing dump banks as a secondary feeder system and use the new banks for the primary system. This will all be coordinated with the electrical switchgear replacement project. Once the new switchgear is installed, the new wires will be pulled directly into the new switchgear. The work should be completed by June of 2018 with a final close out by October of 2018.

As to the collection system, all regulators, pumps and controls were working and have been maintained. Last month 7,436 linear feet of sewer main was cleaned with 36 cubic yards of debris removed.

Chairman Kappock then asked Engineer, Mr. Pocci, to review the consent agenda.

1. Resolution 18-038 was for the authorization of payments of bills totaling \$4,084,914.78.
2. Resolution 18-039 was with respect to miscellaneous repair contracts consisting of two jobs in Hoboken, 16 catch basins in Union City precipitated by paving projects and one in West New York for a total estimate \$80,025.00.
3. Resolution 18-040 was for additional work to Mott MacDonald for preliminary planning for the 2018 sewer rehabilitation project in the amount of \$22,500.00 and had been approved by the Facilities Review Board.
4. Resolutions 18-041, 042, 043, 044 directing the work with regard to the furtherance of the CSO alternative analysis concept workshop. In Resolution 18-041 Acom was given a budget not to exceed \$40,487.00, in Resolution 18-042, Jacobs/CH2M was given a budget of \$39,996.65. In Resolution 18-043, Mott MacDonald was given a budget of \$29,175.28 and in Resolution 18-044, Ganet Fleming was given a budget of \$29,700.00.
5. Resolution 18-045 was giving additional work to Jacobs/CH2M for increased scope of managing services for the CSO long term control plan and in furtherance of the alternatives analysis concept workshop. All of these contracts with regard to the workshop were reviewed and approved by the Facilities Review Board.

6. Resolution 18-046 authorizing final contract modification no. 3 for the Purac Phase I project which is a credit of \$58,400.00 reducing the overall contract price to just over a million dollars, all as approved by the Facilities Review Board.
7. Resolution 18-047 directing work to Greeley & Hansen for additional construction administration and inspection services for the Purac Phase I project in an amount not to exceed \$64,998.80 as approved by the Facilities Review Board.
8. Resolution 18-048 approving additional work to Mott MacDonald for services during the W1234 solid floatables in an amount not to exceed \$48,500.00. This is for retention of landscape engineers, Millow and Bower, as approved by the Facilities Review Board.
9. Resolution 18-049 authorizing contract modification no. 2 for the W1234 solid floatables project in an amount not to exceed \$285,740.88 for additional work to advance the project as approved by the Facilities Review Board.
10. Resolution 18-050 authorizing our qualified purchasing agent as the signatory for Authority motion vehicles with respect to the motor vehicle commission.
11. Resolution 18-051 approving a sewer connection fee for premises known as 1500 Harbor Boulevard for approximately \$1,500,000.00 fee.
12. Resolution 18-052 authorizing purchase of new billing and financial software from Edmunds and Assoc. under a state contract as approved by the Facilities Review Board and the Finance Committee.
13. Resolution 18-053 setting forth a connection fee for class A users in the amount of \$9,540.00 per sewer service unit and with respect to class B users, those users whose effluent is not treated at one of the Authority's plants, an amount of \$2,201.00 per service unit.

It was explained and discussed among the Commissioners that a connection fee hearing in compliance with the requirements of the Sewer Authority's Law, was held earlier in the evening and that the Authority's expert, Jeff Enright, testified that these amounts were in compliance with the mathematical formulas for connection fee as set forth in the Sewer Authority's Law.

On motion of Commissioner Roque, seconded by Commissioner Velasquez, the consent agenda was unanimously adopting with eight votes in the affirmative and Commissioner Sanchez not voting on the same as she was disconnected from the meeting.

Commissioner Soares then initiated the discussion of actually how well the Authority had handled the increased flow from the heavy rain fall this past Monday especially the operation of the detention system in the Southwest Resiliency park and noted that there were both media and social media discussions criticizing the Authority and noting the amount of water in the street with Commissioner Soares noting that without the work that the Authority had just recently completed, the flooding would have been much worse.

Both Mr. Pocci and Mr. Conger indicated that they would do their best to get the detention system operations online in real time for the Authority as well as put together a fact sheet on the successful operation of the same so that the workings of the Authority's flood control measures could be disseminated to the public.

At approximately 7:25 p.m. it was unanimously resolved to adjourn the meeting.