

RESOLUTION AUTHORIZING MEETING MINUTES OF JULY 20, 2017**MOTIONED BY:** Assadourian**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 July 20, 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 July 20, 2017 for the record.

DATED: SEPTEMBER 21, 2017

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 SEPTEMBER 21, 2017.



SECRETARY

NORTH HUDSON SEWERAGE AUTHORITY

MINUTES OF REGULAR MEETING

JULY 20, 2017

At approximately 6:35 p.m, Chairman Kappock called the meeting to order. In addition to Chairman Kappock, Commissioners Gardiner, Sanchez, Velasquez and Friedrich were in attendance at the meeting with Commissioners Roque, Zucconi and Assadourian participating by telephone

Counsel Leanza advised that this was a regularly scheduled meeting of the North Hudson Sewerage Authority and under the Open Public Meetings' Act, the proper advertisements and notices had been given so that proper action could be taken in this evening on agenda items. It was also noted that there was a super majority of eight Commissioners present to take appropriate actions.

The Commissioners first considered Resolution 17-042 authorizing the minutes of the May 18, 2017 but such resolution had to be placed on hold because of the absence of Commissioner Marotta due to his recovery from his illness.

The Commissioners next considered Resolution 17-058 authorizing the minutes of June 15, 2017 on motion by Commissioner Velasquez, seconded by Commissioner Gardiner. The Resolution was adopted with seven votes in the affirmative and Commissioner Kappock abstaining because of his absence from the meeting.

CH2M

William McMillin reported as follows:

1. With regard to PURAC Phase III upgrade designs: CH2M continued coordinating with the dissolved air floatation system supplier and the under drain supplier as they continue their design efforts for the PURAC filter cells. The design of the instrumentation and air compressors and air blowers was progressing and design of the instrumentation and controls is continuing. CH2M Hill with the contractor's review alternatives for expediting the installation of the equipment and filter under drains.
2. With regard to the combined sewer overflow projects and the long term control plan, CH2M continued working with OMI in coordinating compliance with scheduled CSO - related submissions in the Authority's permits, public notifications, and public participation. The CH2M project manager is overseeing the sewer water quality sampling project being conducted by CH2M. The status of the condition assessment projects for the River Road service area and the Weehawken Union City portions of the Adams Street service area are being conducted by Mott MacDonald

and being tracked by CH2M. CH2M is coordinating characterization work with the H6-H7 CSO LTCP project, and the River Road and Adams Street Weehawken Union City characterization project together with the Adams Street H1-H5 characterization and drainage plan projects. CH2M attended a quarterly review meeting with the NJDEP on June 12th.

3. With respect to the combined sewer overflow water quality sampling project, CH2M is tracking weather forecast to monitor one more wet weather event. Mobilization started for several events but laboratory availability and changes in forecasts resulted in cancelling monitoring. CH2M is awaiting receipt the New Jersey CSO group data to review and compare to the Authority's data previously sent to the group.
4. With respect to the Weehawken and Union City combined sewer characterization study for the Adams plant, CH2M has begun working on the sewer system inventory service area analysis and collection system modeling task.
5. With regard to the H6-H7 CSO LTCP project, CH2M prepared a schedule update and provided requested support for the interviews of the City's engineer selection for the resiliency park (the BASF site) and continued the service area characterization work. The collection system hydraulic model was revised and the calibration and validation of then finalized after review conducted by the project team CH2M, OMI, and the Authority. Preliminary model simulations were performed for 2004 typical year to identify the range of collection system and CSO discharge flows and volumes that the project will be addressing. Mott MacDonald continue the land survey work for the sewer system separation design and began planning for aerial survey.

Commissioner Gardiner inquired as to whether we have to wait for the City to complete its final park design before we can commence our engineering design work with regard to the resiliency park. Executive Director Wolff replied that the Authority is closely working with the City on the design and that both CH2M Hill and Authority engineer Pocci were involved in the City's RFP process with hiring the City's engineer and that the process has been narrowed down to two engineering firms, both of which had received the Authority's approval.

6. With respect to the H1-H5 combined sewer characterization and drainage planning for the Adams Street plant, a resolution for the project was passed at the June meeting and CH2M Hill is preparing to start the characterization work.

MOTT MACDONALD

Kevin Wynn of Mott MacDonald reported as follows:

1. With regard to the collection system characterization study work was started in Weehawken on June 23rd. The work was performed as part of the Authority's long

term control plan.

2. With respect to the West New York leak detection program, flows appear to have been holding steady and the last quarterly meeting was held on June 6, 2017 with Suez providing information regarding potential leakage in its system.
3. With respect to the W1234 CSO solids and floatables facility, construction mobilized on July 10th and the contractor has brought in barges and cranes to remove debris and it is expected that in the next week construction would be commenced on the Cofferdam.
4. With regard to the combined sewer regulator upgrades and improvement, the project is 95% complete and is moving into the close out phase.
5. With regard to the 2017 River Road improvement projects, plans are being finalized and the project is about to go out to bid.
6. With respect to the 2017 collection system improvements, a pre construction meeting had been scheduled, notice to proceed has been served and the Authority has been with West New York officials and it is anticipated that work will commence in the next week.
7. With regard to the Hamilton Avenue sewer improvements, a meeting was held with the Township in Weehawken and it was decided by the parties to proceed with the construction of a small pump station (underground) at the intersection of J. F. K. Boulevard and Hamilton Avenue along with a replacement of five hundred linear feet of combined sewer along Hamilton Avenue.
8. With regard to the Park Avenue syphon improvements, both the 24 and 12 inch syphons have been placed back in service and the project is moving towards the close out phase.
9. With regard to PURAC Phase II improvements, the contractor has successfully removed the sand that was fouling the clear well and the temporary by-pass system has been removed, restoring the site to its pre-construction condition.
10. With regard to the River Road wastewater treatment plant collection system characterization study, Mott MacDonald is working with CH2M Hill and Bill McMillin on hydraulic modeling study for the tributary area to the River Road plant.
11. With regard to the H5 collection system study, Mott MacDonald has completed a topographical survey and has presented some options to the Authority to remediate the surface flooding at Madison Avenue and 9th Street.

Commissioner Gardiner inquired as to whether the recommendations were to increase the sizing of the piping along Madison Avenue.

Mr. Wynn replied that that was correct, one of the suggestions was to increase the size of the pipe running from 9th to 11th along Madison Avenue.

Commissioner Gardiner then inquired as to the possibility of construction of a detention basin on the Shop Rite site.

Mr. Wynn replied that it was Mott MacDonald's recommendation to complete the piping work and to determine the effect thereof on the flooding conditions before commencing negotiation of construction of a detention system on the Shop Rite property.

Dr. Wolff also noted that the Authority has been considering the construction of such a detention system and that it appeared that the only potential place for the same would be underneath the public park on the Shop Rite property.

Chairman Kappock then inquired as to the details of the characterization study.

Mr. Wynn replied that it consists of two parts:

- a. closed circuit television analysis of the collections system; and
- b. a tie-in of such videos to the GIS system to look up the sewer conditions.

It's found that this tie-in is invaluable for asset management and to progress the long term control plan for weaknesses in the system and to allocate Authority resources to the most needed projects.

Chairman Kappock inquired what are the findings to date.

Mr. Wynn replied that it is an old system, that several problems had been already found and that contractors had been dispatched to those locations to correct some of the negative conditions.

Chairman Kappock inquired as to the location of the Hamilton Avenue/Kennedy Boulevard pump station and he was assured by both Dr. Wolff and Mr. Wynn that the same would be underground and would have little or no negative effect upon Weehawken.

GREELEY & HANSEN

Michael Hope reported as follows:

1. With regard to the electrical switch gear replacement at Adams Street, the temporary system is being installed and as soon as that is complete, work will begin on

dismantling the existing system and connection to the new system.

2. With regard to the PURAC system upgrades Phase I, only one piece of equipment remains to be installed otherwise the contractor is working on the punch list items and start up and training will commence thereafter.

OMI

Don Conger of OMI reported on operations as follows:

1. Adam Street Wastewater Plant.

The facility met effluent permit parameters for both BOD and TSS limits. Monthly average BOD was 23 mg/L with a limit of 30 mg/L and TSS was 22 mg/L with a limit of 30 mg/L. Removal efficiency for BOD and TSS were 88% and 85% respectively, with permit requirements of 85%. The facility did not meet weekly BOD and TSS limits for the last week of the month due to the PURAC capital improvement project plant by-pass. Permit limits were not met for fecal chloroforms for the month which is a usual summer circumstance. It should be noted, however, that the system exhibited increased efficiency upon the removal of the sand in the wet well and that these results were after and including a one week partial shutdown in the system because of the work around. The average daily flow for the month was 12.9 million gallons per day with 536,000 gallons of sludge hauled.

Mr. Conger also noted that there was a minor spill of acid that is pumped into the plant effluent resulting from a leak in the pump tubing and that was no damage to personnel and or plant.

2. River Road facility

The facility met all permit parameters for the month. The effluent concentration for CBOD was within the permit parameters with a monthly average of 17 mg/L and a permit limit of 25 mg/L. The effluent concentration for TSS was within the permit parameters with a monthly average of 17 mg/L and a permit limit of 30 mg/L. The monthly average geometric mean for fecal chloroform was met. The average daily flow was 8.38 million gallons per day with 437,500 gallons of sludge removed.

3. With regard to the collection system, 19 service calls were made with 4,270 linear feet of sewer main cleaned. 42 catch basins were cleaned with 40 cubic yards of debris were removed. All pumps, regulators, and ancillary collection system equipment was online and working.

With regard to the Sandy recovery projects as previously discussed, the temporary switch has been installed with regard to the Adams Street plant and the buildings will be tied into the temporary source on a one by one basis so that installation of the new equipment can be commenced thereafter. The only other item remaining with regard to the Sandy recovery issues is the installation of the flood doors which are on order and under construction.

The Commissioners next addressed the consent agenda and Dr. Wolff reviewed the Resolutions as follows:

1. Resolution 17-059 payment of bills.

There was a \$7.5 million dollar expenditure from the operating fund; \$1.03 million dollars from the capital fund; \$552,000 in emergency expenditures; and \$16,000 in connection revenues for a total of \$9.1 million dollars.

2. Resolution 17-060 miscellaneous repairs.

This will include a damaged sewer main at 11th and Hudson, 6 warn manhole castings, one collapsed manhole and 2 collapsed catch basins in Union City and 4 warn manhole castings and 4 collapsed catch basins in West New York for a total of \$68,500.00.

3. Resolution 17-061 a bond resolution to finance improvements to the Adams Street Plant. This resolution is the financing for Phase III of the PURAC improvements and will be in the form of a NJEIT loan in the amount of \$16.2 million dollars. The project has previously been approved by the Financial Review Board and the full board and the particulars of this financing has been approved by the Finance Committee.

4. Resolution 17-062 to finance long term CSO control plan design.

This is the design for the H6-H7 CSO long term control design for the northern most drainage areas in Hoboken. This project is being self funded saving costs of capital and does not impact the rate on a going forward basis. The cost for this project is \$2.7 million dollars and the resolution certifies the availability of such funds. The project was approved by the Facilities Review Board and the financing as outlined in the resolution was approved by the Finance Committee.

5. Resolution 17-063 to finance the River Road Plant improvements. This resolution is to self finance replacement of the boilers and trickling filter odor control. the cost of project had been previously approved by the full Board as \$1.2 million dollars. Again the resolution certifies that the funds are on hand and the particulars have been

approved by the Finance Committee.

6. Bond Resolution 17-064 to fund the Hamilton Avenue Project. This resolution authorizes application to the NJEIT for \$2.8 million dollars to undertake the Hamilton Avenue project as previously discussed. The project will replace a collapsed sewer on Hamilton Avenue, reline a portion of the sewer to King Avenue, build a wet well and small underground pump to alleviate back ups into homes in the area during severe wet weather events. The project has already been approved by the Board and the Finance Committee has approved this resolution.
7. Resolution 17-065 OMI contract modification. This modification is for landscaping screening and pavement traffic bollards around the 11th Street and 18th Street pump station at a cost of \$37,265.06 and was approved by the Facilities Review Board.
8. Resolution 17-066 authorizing contract modification number 10 for the OMI contract in the amount of \$33,109.63 for work incident to advance the Sandy Recovery Project installing new feeder cable to the administration building.
9. Resolution 17-067 a sewer connection for 700 Jefferson Street in Hoboken. This is for 88,000 gallons per day consisting of 424 residential units for a fee amount of \$2.5 million dollars which had previously been approved by the Facilities Review Board.
10. Resolution 17-068 a sewer connection for Stevens University. This is a connection for 9,960 gallons per day for a classroom building with lab along Hudson and River Street. It will house 664 students with no dorm facilities. The connection fee is \$296,000 and the resolution had previously been approved by the Facilities Review Board.
11. Resolution 17-069 a contract modification for the Park Avenue siphon project. Additional time and work was required to find both the pipes and connections and were located as the Commissioners are aware, there were several leakages found. A by-pass system had to be installed, a chamber roof had to be replaced and test pits had to be dug to locate some of the Authority's buried facilities. The total value of this additional work was \$326,000 and had previously been approved by the Facilities Review Board.
12. Resolution 17-070 authorizing the settlement of easement litigation with the Maxwell Homeowners Association. As the Commissioners are aware, the Authority has been in litigation over the value of the easement for the H5 wet weather pump station. A jury came back with a verdict some \$5.3 million dollars in excess of our initial appraisal and the Authority had negotiated a settlement for \$4 million dollars approximately \$1.3 million dollars less than the jury verdict. This resolution had already been approved by the Finance Committee.

Commissioner Gardiner responded with regard to Jackson Street project while he supported the same, he wanted to go record to state that his analysis indicates that the City's granting of the thirty year pilot program was too generous and developer would probably have gone through with the project without this additional bonus and he was also interested in the fact that both the Board of Education and the other county taxpayers may have been shortchanged by this City action.

Commissioner Gardiner also commented that he had hoped that the settlement with the Maxwell Homeowners' Association would be less.

Chairman Kappock indicated that his analysis of the situation indicated that if we appealed the decision, which might take two to three years, the interest charges on the same would create a burden upon the Authority.

On motion of Commissioner Velasquez, seconded by Commissioner Friedrich, the resolution was unanimously passed with seven votes in the affirmative, noting that Commissioners Marotta did not participate because of his illness and Commissioner Zucconi had communication difficulty in voting on this matter.

On motion of Commissioner Roque, seconded by Commissioner Gardiner it was unanimously resolved to adjourn the meeting at approximately 7:17 p.m.