

**RESOLUTION AUTHORIZING MEETING MINUTES OF NOVEMBER 17, 2016**

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**MOTIONED BY:**

**SECONDED BY:**

**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 November 17, 2016; 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 November 17, 2016 for the record.

**DATED: DECEMBER 15, 2016**

**RECORD OF COMMISSIONERS' VOTE**

	<b>YES</b>	<b>NO</b>	<b>ABSENT</b>
Commissioner Assadourian	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Soares	x		
Commissioner Roque	x		
Commissioner Velazquez			x
Commissioner Sanchez	x		
Commissioner Zucconi	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON DECEMBER 15, 2016.**

  
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**SECRETARY**

**NORTH HUDSON SEWERAGE AUTHORITY**

**MINUTES OF REGULAR MEETING**

**NOVEMBER 17, 2016**

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

In addition to Chairman Kappock, Commissioners Gardiner and Assadourian were in attendance at the meeting with Commissioners Roque, Sanchez, Marotta, Soares, Zucconi and Velazquez participating telephonically.

Counsel Leanza advised the Commissioners that this was a regularly scheduled meeting with publication thereof in the Authority's official newspapers and notice of the same to the Clerks of the constituent municipalities and the posting of the same on the Authority's bulletin board.

Having complied with the requirements of the Open Public Meetings Act, the Commissioners could take all appropriate action at this meeting.

Given the number of Commissioners participating by telephone because of previous commitments, Chairman Kappock asked for a review of the Resolutions.

Executive Director Wolff then presented the Consent Agenda as follows:

- A. Resolution 16-109 authorizing the minutes of October 20, 2016.
- B. Resolution 16-110 authorizing the payment of bills, consisting of \$1.5 million dollars from the operating fund, \$1.02 million dollars from the capital fund, \$227,000.00 in emergency expenditures, \$9,631.00 connection review fee for a total of \$2,760,000.00.
- C. Resolution 16-111 directing work to Cliffside Paving under the miscellaneous repair contracts consisting of a collapsed sewer in Union City and three collapsed catch basins in Hoboken for a total of \$22,500.00.
- D. Resolution 16-112 directing additional work to Mott McDonald for engineering services for FEMA disaster assistance. This is related to the electrical feeders. In proceeding with work on the project, contaminated soil was discovered and had to be handled and removed under the supervision of Mott McDonald. This out of scope work is going to be for a amount not to exceed \$40,000.00 and had been previously approved by the Facilities Review Board.
- E. Resolution 16-113 authorizing the additional work to Mott McDonald for

engineering design services for 2017 work on the River Road Plant. Mott McDonald had been assigned to provide engineering services for upgrade to the River Road Treatment Plant and in the course of the work, it was determined that it was necessary to replace three pump check valves. The additional engineering design and preparation of specifications for the same is an amount not to exceed \$5,000 which had previously been approved by the Facilities Review Board.

- F. Resolution 16-114 authorizing contract modification no. 1 for the hydrogritter system. This relates to ongoing replacement of the hydrogritter system at Adams Street Plant. This Resolution includes a series of credits and costs including relocation of a feeder pipe location and contract allowances for a total of \$24,000.00 in credits and additional costs for draining and piping instrumentation and start up for an additional cost of \$31,359.55, resulting in a total additional cost to the Authority of \$6,759.55 which had been approved by the Facilities Review Board.
- G. Resolution 16-115 authorizing contract modification no. 5 for the H-5 wet water pump station. This Resolution involves additional work to restore the Maxwell Islands under which the pumps sit and improvements to the North Hudson Sewerage Authority 11<sup>th</sup> Street pump station including additional screening, fencing, landscaping, and architectural finishes to the area. The cost of this work, \$265,000.00 was offset entirely by savings in other areas of the project so there is no increase in the overall project budget. This Resolution has also been approved by the Facilities Review Board.
- H. Resolution 16-116 authorizing contract modification 2016-23 to OMI for the Adams Street Wastewater Treatment Plant flood mitigation. This is phase II of the ongoing effort to protect the plant from Sandy-like flooding including the installation of water tight doors, mechanical seals, and HVAC improvement and protection measures, including the installation of flood barriers. The cost of Phase II is \$516,000.00 and funding will be provided by a FEMA grant. This is a modification to the existing CH2MHill OMI contract and has been approved by the Facilities Review Board.
- I. Resolution 16-117 authorizing contract modification 2016-08 to OMI for Sandy recovery project change order no. 8. This is another contract modification to the Sandy recovery project precipitated by the inability to de-energize the administration building because of the failure of the plant switch gear. This resulted in an additional mobilization cost of \$15,932.00 and will also require an additional surveying cost of \$5,750.00 for a total of approximately \$21,682.00 all eligible for reimbursement by FEMA and this has been previously approved by the Facilities Review Board.
- J. Resolution 16-118 authorizing contract modification 2016-04 to OMI. This modification allows for passthrough under the existing contract of the following

items, with no markups:

Purchase of two fork lifts; additional items related to the long term CSO project included manhole monitoring and outfall warning signs; certain capital items including testing of the H5 Generator Air Quality installation of HVAC System in certain Adams Street Plant locations and frames and manhole castings ahead of the Weehawken Road Paving Project for a total of \$33,299.43.

- K. Resolution 16-119 authorizing the 2017 Authority Budget. Executive Director Wolff spoke extensively regarding the Authority's budget noting that the Resolution is authorizing the introduction of the budget for the fiscal year 2017/2018 and is not the final approval.

The highlights of the budget include a rate increase of 3.46% which is considerable lower than the projected increase to 4.5 to 5% reduced to a rate of \$9.56 per 1,000 gallons.

Executive Director Wolff noted that this was the fifth year in a row that the rate increases have declined. He have almost halved the rate increases from 6.4% in 2014 to this budget's 3.46%, a decline of 46%. Year over year the decrease in the rate increase is 24%. Dr. Wolff also noted that the facility charge is increased to a total charge of \$64.00 per year. Revenues are projected to increase 2.8% to \$52,900,000.00.

With respect to expenses staff, costs are just 2.3% of the total budget, For the third year there are no increases for either the Executive Director or the Chief Engineer and the staff increase amounts only to 4% of the total budget increase. Dr. Wolff noted that administrative in general expenses are only 3.1% of the total budget. This includes engineering services, legal services, financial services, insurance, grant management and office supplies and expenses. The increase of \$115,000.00 comes from adding grant management to the budget and adding pollution insurance. These additions alone account for 75% of the increase. It is also expected that Bond Counsel fees will increase since we are projecting a larger number of finance construction projects.

Plant Operations are 31% of the total budget. 50% of the increase in this item comes from higher rates paid to North Bergen and Jersey City. Miscellaneous repairs in Adams Street Plant Utilities account for essentially the rest of this increase.

Debt service is 63% of the total budget. Debt services is up year over year for some bond issues but down in others because of this year's defesance. This line item includes the contribution to the rate stabilization fund of \$3,000,000.00. There is also a \$4,000,000.00 contribution to the DEP mandated capital construction fund.

This budget proposal was approved by the Finance Committee which feels it is a very good budget with a modest rate increase that allows us to continue to invest in the system and fulfill our US BPA and NJDEP capital obligations.

L. Resolution 16-120 directing additional work to grant management.

There are several FEMA grants that we would like push forward between now and March 1<sup>st</sup> and there is much documentation and meetings to be held with FEMA to finalize these grants. The work will not exceed \$30,000.00 and had been previously approved by the Finance Committee.

On Motion of Commissioner Velazquez, seconded by Commissioner Gardiner, the consent agenda was unanimously adopted.

At this point, Commissioners Roque, Marotta, Zucconi and Velazquez ceased their telephonic participation in the meeting.

**CH2M Hill**

Michael Wilson reported as follows:

1. With respect to general engineering, 60% of the design work for common systems of the Adams Street Phase III Purac upgrades have been completed.
2. The updated flow filter system preselection RPF and rebid package was sent out to vendors and responses are anticipated by the next meeting.
3. With regard to the combined sewer overflow projects, CH2M Hill continues to oversee work by Greeley and Hanson for the flow metering project which is progressing on schedule.
4. With respect to the H5 wet weather pump station, the project is in a close out position and the contractor has begun work on punch list items and will continue submitting the final operation and maintenance items. The only item left is completion of site work.

Dr. Wolff indicated that he was going to make a presentation to the Commissioners on the successful operation of the H5 wet weather pump station during the recent rain storms.

Commissioner Gardiner inquires as to whether there was any hold up from the City with regard to completion of the project.

Executive Director Wolff replied that there has been cooperation from the City and the only remaining work is some additional site work and landscaping to be completed by the Authority and it was noted by several of the Commissioners that the post construction esthetics of the location were better than the pre construction esthetics.

### **GREELEY & HANSEN**

Clifford Pomperance reported that:

1. With regard to the switchgear replacements, minimal work is expected until the Spring when the contractor remobilizes to complete their work.
2. With regard to the Adams Street PURAC System upgrades, Phase I, implementation meeting no. 1 was held and the contractor continues to proceed with this work.
3. With regard to the Adams Street PURAC System upgrades, Phase II, it recommended that the project be awarded to Scafar Contracting as the lowest qualified bidder and Greeley & Hansen will coordinate this work with the Purac Phase I work and the New Jersey Department of Environmental Protection before issuing a notice to proceed.
4. With regard to the Park Avenue syphon improvements, the contractor, J. Fletcher Creamer deployed a second cleaning company to help locate the 12-inch syphon and a blockage was located. The blockage will be repaired and inspected as the next phase of this contract.
5. Finally, with regard to flow monitoring, the recent heavy rain storms was a fitting end to the flow monitoring project which ended yesterday and Greeley & Hansen is in the process of reporting thereon.

### **MOTT MACDONALD**

Kevin Wynn reported that:

1. With respect to the collection system characterization study, the closed circuit television inspection of the systems in West New York, Union City and Weehawken were going very well.

2. With respect to the W123 outfall, the contractor has been installing the new 96" pipe down Riverview Terrace and Harbor Boulevard crossing has been completed.

Executive Director Wolff reminded the Commissioners that the second phase of this project would be the construction of a solid floatables facility in the Hudson River.

3. With regard to the combined sewer regulatory upgrades and improvements, 95% of this work has been completed.
4. With regard to the Adams Street grit classifier replacement, the contractor has installed both grit classifiers and the project is almost complete with a change order forthcoming to proceed to close out.
5. With regard to the 2016 River Road improvements, the contractor has installed the new Hypochloride tanks, gradings, new rotostrainers and hatches and that project is moving towards completion.
6. With regard to the Hamilton Avenue Sewer Improvements, flow monitoring along Kennedy Blvd. East is being conducted to determine the capacity of the line and if it will suffice for the needs of the Authority.
5. With regard to the 2017 River Road improvements, Mott MacDonald is preparing plans and specifications for the replacement of the boilers and the odor control system of the trickling filters and the same is 90% complete.
6. With regard to the 2017 sewer improvement projects, Mott MacDonald has submitted final plans and specifications to the New Jersey Environmental Infrastructure Trust and has just received authority to advertise.

### CH2M OMI

Don Conger reported as follows:

1. The Adams Street Facility met all effluent parameters both for BOD and TSS for the previous month. BOD was 12 m/L with a permit limit of 30 m/L and TSS was 11 m/L with a permit limit of 30 m/L. Removal efficiency for BOD and TSS were 92% each with permit requirements of 85 %. All permit requirements for PH temperature, oil and grease, and ammonia were achieved. The monthly average flow was 11.4 million gallons per day with 598,500 gallons of sludge hauled.

The monthly geometric mean for fecal chloroform was 93 CFU with a permit limit of 200 CFU and a high weekly geometric average of 528 CFU with a permit limit of 400 CFU. The exceedence of the weekly mean was due an ultraviolet channel

sensor level malfunction which has been repaired. All other equipment at the plant is operating satisfactorily.

2. With regard to the River Road Plant, it too was in compliance with all permit parameters. The effluent concentration for CBOD was within the permit parameters with a monthly average of 20 mg/L and a permit limit of 25 m/L. The effluent concentration for TSS was within the permit parameters with a monthly average of 20 mg/L and a permit limit of 30 m/L.

The monthly average geometric mean for chloroform was met. The monthly geometric mean was 8 CFU with a limit of 200 CFU. The maximum seven day geometric mean average value was 17 CFU with a limit of 400 CFU. We were also within parameters with regard to chlorine.

With regard to the toxicity issue, survival rate of our shrimp species again exceeded permit requirements and with one more successful month, we will be out of the permit conditions for a preliminary toxicity investigation. Again all other facilities at the plant are operating satisfactorily.

3. With respect to the collection system report for the previous month, all pumps, regulators and other equipment are working satisfactorily.

OMI made 20 service calls, cleaned 7,216 feet of sewer mains, 60 catch basins and removed 40 cubic yards of debris.

Authority Engineer Pocci next reported to the Commissioners the tour he conducted in conjunction with the City of Hoboken for United States Environmental Protection Agency enforcement officials who were accompanied by their NJDEP counterparts. Among the sites visited were: The H-1 wet weather pump station; city hall green storm water collection; sewer cleaning operations; the BSAF water retention and proposed pump station; H-6 regulator; the H-5 electrical control vault and H-4 solids-floatables chamber. The officials were favorably impressed with the Authority's and the City's commitment to CSO planning; the high degree of system maintenance; the use of bar screen as opposed to nets for solids-floatables control; and the high tech pump control system. It was noted how far the Authority had progressed from public enemy number one of the USEPA to its role model.

Executive Director Wolff then addressed the operation of the recently completed H-5 wet weather Pump Station during the confluence of the moon's closest proximity to earth resulting in high tides and a high volume rain storm. In a power point presentation, Dr. Wolff showed what would have been the usual flooded streets in Hoboken under such high tide/wet weather conditions, now completely drained. The Authority also enjoyed favorable comments in the press and on blogs regarding the handling of the pump stations inaugural storm.



Dr. Wolff also presented detailed chronological charts of pump operations showing they had no difficulty draining out the H-5 area, even against an abnormally high head in the Hudson River. Dr. Wolff indicated that this technical data would be used by the engineers and operators to tweak the control system for more efficient operation, especially from an energy usage and maintenance perspective.

At approximately 7:32 pm on motion by Commissioner Gardiner, seconded by Commissioners Assadourian, it was unanimously resolved to adjourn the meeting.