

RESOLUTION AUTHORIZING MEETING MINUTES OF JULY 21, 2016

MOTIONED BY: Velazquez

SECONDED BY: Marotta

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 21, 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 July 21, 2016 for the record.

DATED: AUGUST 18, 2016

RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
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 AUGUST 18, 2016.



SECRETARY

NORTH HUDSON SEWERAGE AUTHORITY

MINUTES OF REGULAR MEETING

JULY 21, 2016

At approximately 6:32 p.m, Chairman Kappock called the meeting to order.

In addition to Chairman Kappock, Commissioners Gardiner, Velazquez, Roque, Soares, Marotta, Sanchez, and Zucconi were in attendance with Commissioner Assadourian participating by telephone.

Counsel Leanza indicated that this is a regularly scheduled meeting of the Authority with notices thereof sent to the Clerks of the constituent municipalities, published in the Authority's official newspapers, and posted on the Authority's bulletin board. In accordance with the Open Public Meetings Act, any and all appropriate action could be taken at this meeting and there was a super majority of Commissioners present.

On Motion of Chairman Kappock, seconded by Commissioner Gardiner, Resolution 16-068 authorizing the minutes for the June 16, 2016 meeting was unanimously adopted.

Chairman Kappock next asked for engineer reports:

CH2M Hill

Gerry Notte reported that in the previous month with regard to the Adams Street Phase III Purac upgrade, the design team had completed an hydraulic analysis and progressed on preparation of the base of design report. The filter equipment preselection solicitation package had been sent to four vendors and the NJDEP and vendor proposals are to be submitted on August 4th.

With respect combined sewer overflow projects, CH2M Hill had submitted to the NJDEP the revised Long Term Control Plan sewer system characterization work plans for the Adams Street and River Road waste water treatment plans and CH2M Hill continued to oversee work by Greeley & Hansen for the flow metering project.

With respect to the combined sewer overflow water quality sampling program, CH2M Hill completed procurement of Eurofins QC Analytical Laboratories for bacteria analytical testing. A quality assurance project plan was drafted for submission to the NJDEP.

With respect to the H5 wet weather pump station services supplied during construction, the contractor installed two submersible wet weather pumps on June 24th into their pump tubes and installed the four inch vent piping.

With regard to the electrical vault, a utility power transformer was delivered by PSE&G and mounted. The primary and secondary service conductors were pulled and terminated and we are currently waiting for power.

With regard to site work, the contractor has completed the curb restoration along 11th Street and adjacent to the electrical vault and installed a new concrete curb bump out adjacent to the transformer pad and installed protective bollards at the electrical vault at 11th Street pump station.

Chairman Kappock inquired as to when it was expected the pump station would be operable.

Engineer Pocci replied that the target date of September 1, 2016 is still the Authority's goal.

MOTT MACDONALD.

Karen Karvazy had reported that with regard to FEMA support services, M & M has completed design package for the installation of flood doors in the basement of the Administration Building and is currently working on the final design package for the protection of the solids building..

With regard to the West New York leak detection program, the July quarterly meeting is scheduled for next Tuesday with Suez Water.

With regard to the W1234 CSO outfall, the contractor has started the crossing of Harbor Boulevard which is the most challenging aspect of the project. The crossing should be completed by Labor Day.

With regard to the combined sewer regulator upgrade and improvements, approximately 95% of the work has been completed.

With respect to the Adams Street Wastewater Treatment Plant grit classifier replacement, the contractor has installed both grit classifiers and the project is almost complete except for a panel connection.

With regard to the 2016 River Road Wastewater Treatment Plant improvements, the contractor has installed a temporary hypo chloride tanks and new roto strainers more than 50% of the task has been completed and we are awaiting manufacturing of the remaining parts.

M & M continues to work on the Hamilton Avenue Sewer Improvements, the 2017 wastewater treatment plant improvements and the 2017 sewer improvement project, including preparing the plans and specifications for the cleaning and lining of sewers in West New York.

Commissioner Velazquez inquired as to whether prior notice would be given with regard to the sewer cleaning and lining in Union City and West New York to advise both municipalities and the residents thereof to minimize the adverse traffic and resident impact.

Engineer Pocci replied that most of the sewer cleaning and re-lining would be done without trenching but with in place lining so that traffic disruption would be minimum.

Executive Director Wolff noted the increased flows coming into the West New York plant and Engineer Pocci noted that there were many sink holes and collapses because of the variant temperatures causing collapses of water mains resulting in inflow to the system. Commissioner Velazquez noted that there were at least ten sink hole or street collapses in Union City in the recent past and this is probably the reason for increased water flow, making our dealings with Suez Water even more critical.

GREELEY & HANSEN

Clifford Pomperance of Greeley & Hansen reported with respect to the wastewater treatment plant improvements at both wastewater treatment plants and the electrical switch gear replacement noting that Rapid Pump had provided training for the switch gear at the River Road Plant on Wednesday, June 22nd and Thursday, June 23rd, had provided operation and maintenance manuals and addressed punch list items and the work in the Adams Street plant is ongoing.

With regard to the 2015 Adams Street Purac system Phase I improvements, work is ongoing and on schedule.

With regard to the Adams Street wastewater treatment plant improvements, PURAC system upgrades Phase II, Greeley & Hansen conducted a small bidders awareness campaign to better understand why no bids were submitted on the first bid which was due on June 8th and the project will be rebid in August of this year.

With regard to the Park Avenue syphon improvements, the contractor has continued submitting his technical questions and the lining as well as videoing has been done.

With regard to the flow monitoring project, all meters are installed and continue to collect data as of May 17, 2016.

OMI

Don Conger reported that with respect to the Adams Street facility, all permit parameters had been met with monthly average BOD 14 m/L and TSS 9 mg/L and removal rates of 91% and 94% for BOD and TSS respectively. PH, temperature, oil and grease, and ammonia, were all in permit limits. The average geometric mean for fecal coliform was 43 CFU and the highest weekly geometric mean average was 58 CFU. Again well within permit limits. The monthly average flow was eleven million six hundred sixty thousand million gallons per day.

Mr. Conger also reported that much time was invested maintenance of the ultraviolet disinfection system in order to keep PURAC running and for the first time in ten years Cell No. 10 has been online and operating.

With regard to the River Road plant, Mr. Conger reported that the facility met all permit parameters for the month with the exception of toxicity and weekly geometric mean average for fecal coliform. The effluent concentration for CBOD was within permit parameters with a monthly average of 15 mg/L. The effluent concentration for TSS was a monthly average of 12 mg/L. the monthly average geometric mean for fecal coliform was met. However, the weekly geometric mean average was not met and adjustments are being made to the system in order to comply with the permit requirements.

The River Road facility is currently facing issues with effluent toxicity results and CH2M Hill is working with our regulators at the NJDEP and taking monthly toxicity measurements and, pursuant to the conditions of the permit, preliminary toxicity investigation will be needed for submission to the NJDEP by January of 2017.

Commissioner Kappock asked what were the process and consequences of not meeting permit requirements. Mr. Conger replied that a report of the same must be submitted to the NJDEP and the same included in the annual report for the facility.

Mr. Conger also reported that the collection system was working and OMI had done a total of 36 service calls, cleaned 9,276 feet of sewer mains in addition to ninety (90) catch basins. Forty (40) cubic yards of debris had been removed from the system. With regard to response to calls, he reported that fourteen (14) catch basin calls, all were responded within 24 hours as well as eight back up calls, all responded to within 24 hours and that there were 14 other service calls all responded to within 14 hours.

The Commissioners next considered the resolution consent agenda. Executive Director Wolff reviewed the same as follows:

- A. Resolution 16-069 authorizing the payment of bills included \$7,550,815.59 from the operating fund, \$1,923,829.69 from the capital fund, \$76,327.91 in emergency expenditures and \$13,437.55 in connection reviews for a total of \$9,564,410.74.
- B. Resolution 16-070 accepting the audit for fiscal year 2016 certifies that Commissioners have reviewed the awarded particularly the general comments and recommendations and the only comment was on the receivables and the Authority has adopted an action plan to address the same, including a comprehensive review of the receivable list, aggressive collection efforts using lawsuits and liens which is detailed in the next resolution.

Commissioner Marotta indicated that based upon his attendance at previous committee meetings, he understood that the Township of Weehawken had refused to include debts to the Authority in their tax liens sales and this is the easiest and most inexpensive way for the Authority to collect the sums due to it, the Legislature had set up this statutory framework so that the Authority would be assured of either collecting its money or putting liens on properties which would then be sold. And it is his understanding that these tax liens in Weehawken, West New York, Union City and Hoboken are sold 100% of the time, sometimes with the buyers thereof bidding down the interest rate. Commissioner Marotta asked why the Mayor of Weehawken takes this position, does he not want his property owners to be listed in tax sales. Commissioner Gardiner echoed the sentiments of Commissioner Marotta and indicated that the Authority should take some action to force tax sales in Weehawken.

- C. Resolution 16-071 audit correction plan. The plan includes analyzing all receivables prior to 2015 and determining whether they should be subject to lawsuits or liens. It will also review any receivables that should be written off and none will be written off without addressing the Commissioners and this audit correction plan had been approved by the finance committee.
- D. Resolution 16-072 authorizing contract modification No. 3 for W1234 outflow plan. This change order is related to complications in crossing Harbor Boulevard in Weehawken as follows:

Stabilizing the ground with jet grouting under the electrical and gas and water utilities rather than incurring the expense of relocating them; installing the outflow pipe on a pile supported by reinforced concrete cradle instead of on space pile cap; expansion from two to three stages for crossing Harbor Boulevard because New Jersey Transit buses would be precluded from running there

over otherwise; thicker concrete was deemed necessary because of poor soil conditions for outfall support and; hazardous soil was discovered with high levels of lead and must be disposed of properly. The cost of these modifications is a net of \$474,000.00 and the same had been approved by the Facilities Review Board.

- E. Resolution 16-073 authorizing contract modification No. 1 for the CSO long term control plan. This is related to the installation of flow meters and it was determined that instead of two man teams for the installation thereof in three locations, five man teams were necessary for safety and operational reasons and Weehawken also required police details for the installation of flow meters. The cost of this modification is \$24,400.00 and had been approved by the Facilities Review Board.
- F. Resolution 16-074 fulfillment of the Authority's obligations to the New Jersey Harbor Dischargers group. Our share of this contract with the group's technical advisory, Great Lakes Environmental Center is 7.67% of the total contract or \$14,600.00 and it is as much advantageous to share this cost with the other Authorities than to have the Authority pay for its own free standing study. Again this Resolution was approved by the Facilities Review Board.
- G. Resolution 16-075 Bond Resolution determining to undertake sewer cleaning and lining improvements. This is an allocation of \$1.3 million dollars for sewer manholes and connection rehabilitation in the various municipalities. \$101,000.00 will come from a community development block grant and \$1.2 million dollars from NJEIT financing. The project was previously approved by the Facilities Review Board and the financing for it was approved by the financing committee.
- H. Resolution 16-076 Authorizing the defeasance/redemption of the gross revenue senior lien certificates series 2012. This resolution authorizes the defeasance of \$24 million in par value of our \$354 million debt portfolio together with interest accruing thereon through defeasance. The NHSA will benefit by reducing debt service therefore impacting the rate positively, improving our standing with the rating agencies and thereby reducing the cost of borrowing. This resolution names a Executive Director and Board Secretary as authorized officers for deal and authorizes the Authority's advisors to work on the deal and was approved by the finance committee. Payment to the Authority's advisors will be submitted to the Commissioners post defeasance.

Chairman Kappock noted that this defeasance should help lower rate increases for the next year.

Commissioner Gardiner noted that the rate increase could be approximately 1% less than it otherwise would have been.

Commissioner Velazquez noted that he had to operate the city's department of public works for approximately ten (10) days and was proud that the response time for the NHSA for sewer and street issues was excellent and wanted to thank Phil Reeves and the collection crew noting that in many instances the North Hudson Sewerage Authority was first on the scene.

- I. Resolution 16-077 directing work to Bond Counsel for defeasance. This authorizes our Bond Counsel to represent the Authority during the defeasance for proposed fee of \$30,000.00 and was previously approved by the finance committee.
- J. Resolution 16-078 directing work to the Authority's Bond Counsel related to the next NJEIT loan. This authorizes our Bond Counsel to handle legal services related to the NJEIT loan for sewer cleaning and lining in amount not to exceed \$6,200.00 and was approved by the finance committee.
- K. Resolution 16-079 directing work to Mott MacDonald with assessment for the Adams Street plant collection system. This authorizes Mott MacDonald to undertake engineering services for the collection system condition assessment and characterization associated with the Adams Street Plant. This assessment is required by the NJDEP for permit compliance requirements and by the long term control plan. This will include TV-ing of all sewer lines to determine the current state manhole inspections over the next eleven month project duration. This is for a \$1,226,000.00 fee and was the lowest submission from the Authority's list of pre-qualified engineers and this had been previously approved by the Facilities Review Board.
- L. Resolution 16-080 directing work for engineering services for assessment of the River Road collection system. This authorizes Mott MacDonald to undertake engineering services for the collection system condition assessment associated with the River Road Plant. Again this is required by the permit and long term control plan and includes TV-ing of sewer lines and manhole extensions over an eight month period. It is for \$365,000.00 fee and was again the lowest submission from the pre-qualified engineers and was approved by the Facilities Review Board. The reason for the disparity between Resolution 16-079 and 16-080 regarding Adams Street and River Road is at that the Authority has a back up of TV videos of the River Road system from our acquisition of the same.
- M. Resolution 16-081 directing Cliffside Paving work under the bi-annual miscellaneous repair contract. This includes various repairs including eleven (11) manhole casting replacements and two (2) collapsed catch basins in Union City, one (1) manhole casting replacement in Weehawken, one (1) manhole replacement, three (3) collapsed

catch basins in West New York and the location of the syphon valve at the Adams Street Plant for a total of \$61,000.00.

On motion of Commissioner Velazquez, seconded by Commissioner Roque, the consent agenda including the resolutions listed above was unanimously adopted.

Mr. Pocci then gave an engineering report update.

Mr. Pocci reported that with regard to the CSO long term control program, GPS mapping has been completed and will help build a better system in Hoboken where we have found that some sections are reversed. Mr. Pocci also reported with regard to the green infrastructure program. He has delivered program information to Union City and West New York and is anxious to meet with the towns to implement the same. We use the firm of Lewis Burger to analysis and identify places where green infrastructure can be implemented to reduce overflow and flooding in the system. We are required by our permits to work with the Municipalities towards this end and the same will benefit both the Authority and the Municipalities. Mr. Pocci replied that we are currently applying for a grant and partnering with Rutgers University.

We are also conducting some studies with regard to chlorine produce oxidants and will have to do more work regarding the same with regard to disinfection that may be required in the future at some of our CSO locations. Right now we are doing sampling of river water with the Passaic Valley sewerage commission and some of the other municipalities to determine the impact of chlorine on the Hudson River and the additional amounts that may be introduced therein for disinfection as well as alternate sources.

With regard to collection system flow monitoring, he past weeks have produced several good storms which is beneficial in our monitoring the impact on the system particularly overflows in large deluges of rains.

The Authority continues to work with its engineers to maximize the flows in both the West New York and Adams Street plants to minimize the storage that may be required in the future for anticipated CSO regulations.

Mr. Pocci also indicated that there is much hydraulic modeling to be done to determine how much flow we will be able to keep out of the river to meet these future requirements and that the sewers in Hoboken are particularly bad shape hydraulically and that some of them are even back pitched.

Executive Director Wolff noted that our advisory system as demonstrated at the last meeting online is now recommended by EPA and the EPA has recommended other Authorities Municipalities go on our website and use the same as a model.

Commissioner Soares inquired as to some of the run off and debris from construction sites

that finds its way into our system and indicated that the same was a health issue and health officers and buildings inspectors should deal with the same but that the Authority should also be aware of it.

Commissioner Gardiner reported that he had the last rebuild by design meeting in Hoboken and that the committee is analyzing impacts of 50 and 100 year storm to predict future flooding and mitigation efforts that may be taken.

There being no public questions or statements at the meeting, at approximately 7:28 pm, on a motion by Commissioner Velazquez, seconded by Commissioner Gardiner it was unanimously resolved to adjourn the meeting.