

OCTOBER 6, 2020

Minutes of a meeting of the Secaucus Municipal Utilities Authority held on Tuesday September 1, 2020 at 6:00 PM via teleconference due to coronavirus pandemic.

The meeting was called to order at 6:00 PM by Chairman Vogel

Pledge of Allegiance/Salute to the Flag

The Open Public Meetings Act was read. Included in this statement was that this meeting was posted on the Authority website, the Authority bulletin board and a copy sent to Town Hall.

Roll Call:	Fred Vogel	Chairman
	Jorge Cardenas	Vice-Chairman
	George Schoenrock	Secretary
	Raymond Spellmeyer	Board Member

Also Present: Brian Bigler, Executive Director; John Napolitano, Counsel; Glenn Beckmeyer, Engineer.

A motion was made by G. Schoenrock, second by J. Cardenas to approve the minutes of September 1, 2020. All in favor 4-0-0.

The consent agenda was moved on a motion by F. Vogel, second by G. Schoenrock. Roll call: R. Spellmeyer: Aye; G. Schoenrock: Aye; J. Cardenas: Aye; F. Vogel: Aye. D. Manderano arrived while discussion was being held and abstained. Motion carried 4-0-1.

Voucher List was moved on a motion made by R. Spellmeyer; second by G. Schoenrock. There was discussion on three items n the list that the Executive Director answered. Roll call vote was made to approve the list as presented: D. Manderano:Aye; R. Spellmeyer: Aye; G. Schoenrock; J. Cardenas, Aye; F. Vogel, Aye 5-0-0.

Old Business: None

New Business: None

Legal: Counsel reported that there are new regulations regarding meetings held telephonically. He will have a resolution regarding this for the next meeting. Counsel also reported on an issue regarding a business in Town.

**Report of the Executive Director
September 2020 {submitted September 29, 2020}**

Due to the COVID-19 virus crisis, staff is performing basic maintenance, lab & operations. We have taken numerous steps to help curtail the spread of this virus.

- We continue to monitor the sewers in low lying areas for cleaning & inspection. There were several CCTV jobs performed for the DPW regarding storm sewers. While staff will perform any assistance, these tasks are cutting into our routine maintenance plan for the sanitary collection system.
- SCADA: Keystone due to the current pandemic, work has not progressed. Nothing further to report.
- Toscana Cheese: Due to impending legal matters, I have ceased to communicate with Mr. Paparazzo. Staff continues to monitor and there have been no discharges noted. Authority Counsel in communication with Toscana counsel regarding the violations. No further action to report.
- The Towns' & SMUA Jif's are working on settlements with homeowners regarding the storm of 9/25/18. Met with Town Attorney to discuss future fail-safes that might be implemented to prevent future flooding. Noted that most homes in the affected area have sump pumps (many more than one) that are illegally connected to the sanitary. A future meeting will be scheduled to discuss with Town & DPW. Meeting postponed due to COVID-19. No further action to report.
- Work is completed on the clean-out vault at PS#2. This will allow us access to the lower 400'-500' of the force main. We have a meeting scheduled for Tuesday 9/29/20 with National Water Main to clean the rest of this force main. Once completed, will forward invoice to Counsel to consolidate all expenses that this discharge has caused the Authority.
- Met with the Mayor, DPW, NJDOT to examine an issue regarding a sanitary line going through a storm culvert on Route 3 West Service Road. This sewer was installed in 1961 and the culvert quite possibly been built around that sewer in 1963. A full report has been submitted that verifies that the culvert was built around the sanitary and NJDOT will be notified by the Town. No further action to report.
- Application for homes to be built at the old Schmitt's property on Paterson Plank Road application has been approved. The issue with pipe diameter size has been addressed and an M.O.U. has been executed. Construction is completed.
- Received an application for a proposed hotel at 655 Plaza Drive. This is currently under review. Nothing further to report.
- Notified the owners of Aloft hotel that the first payment is due on 10/1/2020.
- Notified the owners or Crown Plaza that payment is due and communicated with them regarding this flow.
- Currently performing a study to see if the Authority can utilize Peracetic acid for disinfection purposes. If viable, this would eliminate the need for sodium hypochlorite and sodium bisulfate. This is only in the testing mode now, will have more to report before the end of the year.

OPERATIONS REPORT – SEPTEMBER 2020
Submitted September 30, 2020

KOELLE BOULEVARD FACILITY

- 1) The estimated average daily flow for the month was 2.4044 MGD. The estimated total flow for the month was 72 MG.
- 2) Routine maintenance and grounds keeping were performed.
- 3) The East Secondary Clarifier collection arm has been repaired.
- 4) Continued maintenance of Stage I Trickling Filters. We realized a savings of over \$16,000 by having staff perform this work.

PUMP STATION # 1 Village Place

- 1) The estimated average daily flow was 1.040 MGD.
- 2) All pumps cleaned and maintained on a regular basis.
- 3) Routine maintenance and grounds keeping were performed.

PUMP STATION # 2 Paterson Plank Road and Turnpike Exit

- 1) The estimated average daily flow was 38,395 gallons per day.
- 2) Routine maintenance and grounds keeping were performed.
- 3) Completed new clean-out vault to facilitate jetting this force main. Meeting with National Water Main on 10/1/20 to clean the rest of this force main.

PUMP STATION # 3 Henry Street

- 1) The estimated average daily flow was 31,259 gallons per day.
- 2) Routine maintenance and grounds keeping were performed.

PUMP STATION # 4 New County Road and Seaview Drive

- 1) Routine maintenance was performed.
- 2) Station checked daily.

PUMP STATION # 5 Wilroy – Secaucus Road

- 1) This station is not in service.

PUMP STATION # 6 Castle Road

- 1) Routine Maintenance and grounds keeping were performed.
- 2) Average daily flow: 31,496 gpd.

PUMP STATION #7 - Exchange Junction

1) Routine maintenance was performed.

COLLECTION SYSTEM: The Authority jetted and cleaned approximately 2,000 feet of sanitary sewer. Assisted DPW cleaning catch basins for a total of 21 man-hours.

Respectfully Submitted,

Brian Bigler, Executive Director

SECAUCUS MUNICIPAL UTILITIES AUTHORITY ENGINEER'S REPORT MONTH OF SEPTEMBER 2020

the main activities as provided by this office to the Authority for the above-mentioned month:

- SCADA. (abridged) The project has been awarded to Keystone Engineering Group. Keystone is completing their panel fabrication and performing their shop testing. Work is continuing on a limited basis due to the shut down and lack of available workers for the contractor. Construction has been on hold due to the COVID-19 situations. Work at the Pump Stations is mostly complete. Once this is complete, the Pump Stations will be tied into the main system at the Treatment Plant. Keystone will check in with SMUA next week to determine when work can resume. No further information at this time.

- Received and started a review on a pump station flow meter report for the Exchange Place Pump Station (abridged). This report is supposed to analyze the existing flows of the pump station and the amount of unused capacity with regards to the remaining build out of the project. Analyzing data. Submitted new pump data and force main drawings to engineer to re-analyze flow and pump data. We calculated flows for all additional housing units compared to the amount of flow as reported on the NJDEP TWA. Additional questions on the housing unit quantities are being confirmed. It now appears the NJSEA has received a zoning application for a 24-story residential structure. Spoke with Secaucus Plumbing Official concerning the addition of a 25-story housing unit. It appears major revisions will be required within the SMUA Sanitary Sewer

System. The SMUA received a zoning approval for this project. No further information was submitted to the SMUA.

- Received and started a review raw pump station flow meter data for a report for the Turnpike Pump Station. (abridged) This report is supposed to analyze the existing flows of the pump station and the amount of capacity with regards existing pumps and the areas where the flow has increased drastically. The SMUA has partially video'd the force main. The video shows material build-up on the pipe walls and deformation of the pipe. The SMUA has requested a proposal from Persistent to install a 2-way cleanout on the force main to access the force main in two- directions for improved videos and maintenance. A test pit is schedule for January 2, 2020 to find exact location of force main with comparison to PSEG and Suez buried utilities. A cleanout was installed on the force main. Heavy built-up Milk Coatings narrowed the force main to about half the original diameter. A cleanout has been installed approximately in the middle of the force main. Another cleanout will be installed soon at the beginning of the force main. New Cleanout work is scheduled for April 9 and April 10 due to the anticipated low flows at the Pump Station. All work has been postponed on the Cleanout due to the shut down and lack of available workers for the contractor. The work on the vault and cleanout have been completed, the only item yet to be delivered and installed is the metal hatch access. The hatch was delivered and installed. The contractor is working on the elimination of a small ground water leak into the vault wall. Scheduling the jetting and cleaning of the remainder of the forcemain.
- Exchange Place Pump Station reviewing drainage issues and shooting elevations for the design for the Proposed Stormwater Inlet. Received elevations and laying out proposed drainage structures. A preliminary design was completed for SMUA comments, will finish construction plan. Requested a pre-construction meeting with Persistent to review options. Persistent submitted shop drawings on the trench drain system for review. This project has been completed. Will inspect during next rain event for operation. Future re-paving of the pump station area should include re-grading in some areas to direct the storm runoff better to the new trenches as well as a built-up curb along the fence line to decrease storm runoff from the sidewalk areas into the pump station area. Quotes for repaving are being received.

- Reviewing Sewage Connection at 1631 Paterson Plank Road and the SMUA's request to increase the Sanitary Sewer Main from the terminus to the Village Court for the proposed demand. The developer will be installing 300 lf. of 10 inch PVC sewer main to replace an existing 8 inch sanitary sewer from the intersection of Paterson Plank Road and Village Place to a new manhole. This will compensate for the increase of sanitary flow being developed from the new development and meet the conveyance criteria of NJDEP. A pre-construction meeting for the installation will be held on July 14, 2020. Work to install a new dog house manhole and 10" PVC Pipe will begin Monday, August 3, 2020. 10" main was installed with all laterals. 6" DIP lateral was installed, checking on the installation of concrete saddles around the water mains. Photos were submitted of the concrete saddles.

- The skimmer rake, rake arm and skimmer assembly on Secondary Clarifier # 3 was jammed and damage. Structure members were bent and twisted. The exact cause of damage is not known at this time. It is non-operational. The SMUA received a quote to repair from Rapid Pump & Meter. Only when the unit is disassembled will the exact cause of failure can be determined and the final scope of work and costs can be determined. Therefore, due to the significance of this unit within the overall process and capacity capability of the facility, I have submitted to the Authority Board a letter for approval for Emergency Repair on this unit. Rapid Pump and Meter Services started the repair. Crane was utilized to remove the damaged skimmer rake, rake arm and skimmer assembly. Skimmer rake, rake arm and skimmer assembly have been repaired. Rapid is reviewing the "Limit Switches" for operational issues.

- Zoning Certificate Notices for required SMUA Sewer Connection Application:

Address	Zoning Certificate	Request Dates		SMUA App.	SMUA Fee	Engineers Report
		1 st	2 nd			
275 Hartz Way Equinox 10 New Construction		N/A	N/A	No	No	
2000/5000 Brianna Lane/Fraternity Meadows/Building G/New Construction	#19-430	N/A	N/A	Yes	No	
901 Penhorn Suite 1 Use Change	#20-160	N/A	N/A	No	No	
101 Plaza Center Unit 101	#20-109	N/A	N/A	No	No	

50 Hartz Way	#20-261	N/A	N/A	Yes	No	
--------------	---------	-----	-----	-----	----	--

Beckmeyer Engineering, P.C.

Glenn M. Beckmeyer, P.E.,P.P.,CME,CFM

Authority Engineer September 29, 2020

Discussion was held regarding secondary clarifiers; Xchange; Harmony and Castle Road PS.

Citizen's Comments: None

A motion was made at 6:45 p.m. by F. Vogel, second by J. Cardenas to adjourn the meeting. All in favor. 5-0-0.