

October 3, 2016

Minutes of a meeting of the Secaucus Municipal Utilities Authority held on Monday, October 03, 2016 at 7:06 PM in Conference Room, 1100 Koelle Boulevard, Secaucus, New Jersey 07094.

Pledge of Allegiance/Salute to the Flag
The Open Public Meetings Act was read.

Roll Call: Fred Vogel Chairman
George Schoenrock Secretary
Mark Moloughney Assistant Secretary

Excused: Jorge Cardenas; Guy Pascarello
Also Present: John Napolitano, Counsel; Glenn Beckmeyer, Engineer

The minutes of the September 19, 2016 meeting were approved on a motion made by G. Schoenrock; second by F. Vogel. Roll Call: M. Moloughney: Aye; G. Schoenrock: Aye; F. Vogel: Aye. Approved 3-0-0.

The voucher list was moved on a motion by G. Schoenrock; second by M. Moloughney; and is as follows:



Voucher List for Meeting of October 03, 2016

Prepared: 09/25/16

NUMBER2	COMPANY	MONEY	CK#	PO#	REASON
1	Action Rubber	1,603.25		2016-561	600' high pressure Hose For Jet Truck
2	Alpha Dog	150.00		2016-557	Monthly Maintenance & Hosting Fee:9/16
3	Applied Analytics	1,565.00		2016-538	Annual Flow Meter Calibration
4	Beckmeyer Engineering	6,250.00		2016-563	Engineering Services: Sept. 2016
5	Bellaqua	233.15		2016-564	Water
6	Carfi Electric LLC	2,670.50		2016-581	Electrical Services: 5/31/16 to 7/28/16
7	Cleary, Giacobbe, Alfieri	3,908.00		2016-574	Legal Services: 8/01/16 to 8/31/16
8	Comcast	174.35	10067	2016-551	Internet Services: 09/02/16 to 10/01/16
9	Constellation Energy	1,083.04	10069	2016-552	Power: August 2016
10	Dave Heiner Assoc.	1,080.85		2016-540	2 new pistons for Sludge Pump
11	Emerald	253.95		2016-544	3 Cases XL Gloves
12	Enviromental Resource	49.00		2016-400	pH Sample For WP 260
13	F.W. Webb Co.	399.56		2016-313	Lot of Supplies for Primary Clarifier Valves
14	Feldman Brothers	21.14		2016-572	Supplies For Secondary Upgrade
15	Grainger	52.32		2016-553	High Voltage Signs
16	Hach Co.	389.30		2016-567	Lab Supplies

17	Home Depot	25.97		2016-517	Filter Shop Vac
18	Home Depot	50.92		2016-523	Fence Slats
19	Home Depot	68.19		2016-520	Stone Cleaner & Hose Nozzles
20	Home Depot	48.97		2016-526	Brackets & Clamps
21	Home Depot	192.65		2016-549	Light Switches, LED Bulbs, Faucet
22	Home Depot	53.94		2016-569	Gorilla Tape & Faucet for Camera Truck
23	JCI Chemical	1,793.96		2016-543	Sodium Hypochlorite
24	Jersey Journal	169.99		2016-558	Yearly Subscription
25	Miracle Chemical	1,496.25		2016-529	Sodium Bisulfite
26	Miracle Chemical	1,396.50		2016-571	Sodium Bisulfite
27	Municipal Capital Finance	164.77	10063	2016-547	Copier Lease: Payment# 39 9/16
28	NACWA	1,710.00		2016-578	Membership Dues FY2017
29	Nassor	13.92		2016-531	Supplies Secondary Clarifier Project
30	One Call	5.00		2016-560	Markouts
31	PSEG	16,459.81	10119	2016-576	Power: August 2016
32	PVSC	15,744.00		2016-582	Sludge Disposal: 08/16/16 to 9/15/16
33	Peirce Equipment	268.78		2016-562	Hydraulic Cylinder
34	Pitney Bowes	117.00		2016-584	Postage Meter Rental Charges: 10/1/16 to 10/31/16
35	Pumping Services	1,146.00		2016-539	Final Rental Payment for Secondary Pump
36	R&D Trucking	9,625.00		2016-575	Sludge Removal: 08/01/16 to 8/31/16
37	Rapid Pump	2,100.00		2016-527	Repair to Primaries 1 & 2 Main Plant
38	Regional Communications	156.00		2016-573	Batteries for Hand Held Radios
39	Spectraserv	3,956.00		2016-587	Monthly Container Charge: August 2016
40	State of NJ	33,881.22	TEPS	2016-554	Hospitalization: Active Employees: 9/16
41	State of NJ	1,283.63	TEPS	2016-555	Hospitalization: Retiree Employees: 10/16
42	Suez Water NJ	1,580.49	10066	2016-521	Water: 07/21/16 to 08/18/16
43	Town of Secaucus	1,630.08		2016-556	Dental Reimbursement: October 2016
44	USA Blue Book	1,103.18		2016-528	Odor Control Blocks
45	Verizon	269.58	10068	2016-550	Telephones
46	Verizon Wireless	242.14	10121	2016-577	Telephones: 08/13 to 9/12/16
47	WEX Bank (Sunoco)	435.75	10064	2016-548	Fuel: August 2016
TOTAL:		117,073.10			

Roll Call to approve the voucher list as presented: Roll Call: M. Moloughney: Aye; G. Schoenrock: Aye; F. Vogel: Aye. Approved 3-0-0.

Old Business: None

New Business: The Executive Director reported:

- He will be meeting with the accountant in the next weeks to prepare the 2017 Budget. He expects to present to the board in November.
- Toscana has been making timely payments. To date we have received \$203,835.80. There are six more expected payments. Discharging is still being monitored daily.
- Empire Meadowlands Hotel submitted a check in the amount of \$371.71 that was returned due to insufficient funds. Notification was sent to the hotel. In addition, they were notified that one of the flow meters was not working so an estimate was used, and, that the hotel is responsible to maintain the meters so that they provide accurate data for usage.
- As of this meeting, the Union has not acted on the contract and requested another meeting. It was explained that after the last meeting with the Union, the Authority submitted a Memorandum of Agreement to the Union for presentation to the members. The Board agreed to terms outlined in the MOA and addressed four monetary, outstanding points. Authority Counsel notified the Union that this was the last and best offer. Chairman Vogel questioned if we could put a time frame on negotiations, John Napolitano said we have not experienced this before and said we would go to mediation if not resolved. Commissioner Moloughney questioned if old contract was still in effect, the Executive Director explained that it has expired, however, we continue operating under its terms until a new contract is ratified.

**Report of the Executive Director
September 2016 {September 30, 2016}**

- Still working on the installation a new bank of conduit for the secondary sludge pumps project. A dead short was detected between the secondary clarifiers and the main control panel. We are running five separate banks of conduit to correct this problem. Rental pump has been removed and two new pumps were installed utilizing the temporary wiring. These will be hard-wired as soon the conduit & electrical are completed.
- Contract for the purchase and installation of the dual fuel converter has been awarded. Contractor has the permits to proceed, awaiting on a time frame for the equipment to arrive. A pre-construction meeting was scheduled for 9/27/16 with Glenn Beckmeyer.
- Still working with the Authority's Environmental/Regulatory Engineering firm PS&S and the Office of Homeland Security & Preparedness regarding some of the security system upgrades into the SCADA system. It was determined that technical specifications would be covered under the OHSP grant. Gave the order to proceed with the RFP for the security & SCADA systems incorporation. Initial cost estimates exceed bidding threshold. SMUA staff currently investigating purchase under State Contract.
- Continued contact with the Town regarding the possible connection of the USCG Auxiliary building to the SMUA sanitary on Meadowland Parkway. Nothing further to report.
- We have stopped the application of the larvacide applied to reduce fly population and will restart application in the spring 2017.

- The replacement cost for the valve for the isolation of flow to primary clarifiers 3, 4 & 5 is \$22,500.00 for the valve only. Trying to obtain prices for the installation to put together a complete, formal quote.
- Sent the MOA to the Union, have not received a response yet. As discussed, this was our best and last offer. If Union responds prior to the October meeting, this will be discussed in Executive Session.
- Received quotes for the replacement of the scum collection trough on the gravity sludge thickener. Awarded the contract to Rapid Pump & Meter in the amount of \$15,780.00. Part on order and expected in 8-10 weeks.
- Contracted to have the underground storage tank pressure tested. The Authority had an inspection from EJIF and there were items that needed to be addressed in addition to items sited that we already do such as: monthly inspection & testing, records retention, and overflow protection. Contacted the EJIF in response to their report & they are to issue a revised, more positive report.
- Attended WEFTEC and made numerous contacts for manhole rehabilitation, air diffusers and SCADA.

Chairman Vogel questioned the expected delivery for the replacement valve. The Executive Director replied that due to the cost of the valve, he was trying to obtain additional quotes. The MUA has still not received installation quotes.

**SECAUCUS MUNICIPAL UTILITIES AUTHORITY
ENGINEER'S REPORT
SEPTEMBER 2016**

The following is a list of the main activities as provided by this office to the Authority for the above-mentioned month:

- Bids were published and were accepted on April 29, 2016. Project was rebid due to excessive bid numbers. Rebid opening was June 1, 2016. The low responsible bidder was Envirocon from N.J. at \$119,000. Paper work from the Contractor was received and signed. The pre-construction meeting was held on September 27. The conversion equipment was ordered is more than a month for delivery. Other work will be done during the wait time of delivery. The Mechanical Sub Contractor will begin sometime the first week of October.
- We looked into two designs to supply sanitary services to the Coast Guard Building. A gravity System and a pumping system. We have compiled the costs of to bid out either installation. The cost information comparison was submitted to the Town for review and input. The Mayor had requested a meeting on this project. Waiting on his availability.

- Spoke to the applicant's engineer about a proposed connection at 1 County Avenue. Reviewed application. Engineer received review letter and stated that the design was to change. Unsuccessful attempt to return calls to Applicants permit engineer. Waited on design plans from the applicant. Received plans and reviewed, issued comments back to the applicants engineer. Revised plans have just been submitted, starting the review. The applicant is required to obtain an easement to install a force main and connect into an existing privately owned sewer before it leads into the SMUA system in Penhorn Drive. The engineer sent revised drawings showing a new location for the pump station, also sent the easement description and plan. New require a revised TWA application. Requested that the easement also reads that the private sewer will convey the adjacent properties sewage in perpetuity.
- Contacted Tax Department to ascertain new tax maps for use by the Authority for facilities inventory. Meeting never occurred. Attended a few meetings at NJSEA on their GIS/Meri system. The tax department is waiting on a proposal from the Town to update the Tax Maps. We also met with the NJSEA to gather information on use of their system and/or data. The NJSEA is in the process of turning over the MERI System to Rutgers.
- Started investigation to determine the capital cost for the replacement of the trickling filters plastic media. Estimated cost for delivery of Media > \$1,000,000 without installation or disposal of old media
- Prepared scope to replace roof on Pump Station #2/3 building and sent to three roofing contractors for quotes.
- 2 Secondary sludge pumps burnt out due to a shorted power feed. A rental pump was installed along with a temporary pump feed cable from the panel in the sludge building to the clarifier. Proposals to install new conduit and feed wiring between the panel and the clarifier were received. Conduit has been installed. Waiting on the electrician to install the new wiring.
- Prepared a scope to supply and install a scum collecting "beach" within the sludge thickener tank. The SMUA will empty and clean the tank with the contractor doing the remaining work. We will also be replacing a 6" eccentric ball valve at the bottom of the tank since it will be empty and out of service. Prepared a RFP and uploaded it to the SMUA web page. Held a pre-bid meeting with three contractors in attendance. Two contractors bid with Rapid pump and meter Services being the lowest at \$15,780.00. Second bidder was \$38,000.00. Awarded to Rapid, waiting on material delivery date
- Met with representatives for the proposed Hudson County Technical School to be located on New County Road. Produced estimated flow letter for the Authority and Applicant. Prepared technical review. Requested further information on the proposed pump station.

- Met with Chuck Cuyulis on the proposed SCADA project. Started preparing facility layouts and the conduit design runs. Sent Chuck Cuyulis preliminary plans for review and markup. Received mark up and commented plans. Started updating the plans.
- A “Change of Use” had been submitted for 4 Emerson Lane. The applicant is converting 8,000 sf of existing warehouse into a digital printing operation. The applicant has explained the new equipment will only produce 2,500 gpd of rinse water accomplished by an evaporation/condensation system that would be free of any ink. The only way ink could enter the system is by a malfunction. I requested further information on the new equipment with respect to the water usage and discharge. Applicant submitted some of the requested information. Requested further information and further clarification.
- PSEG has agreed to install a power monitoring device on our service connection before our transformer to record the power consistency from the utility. The device will be installed for approximately a month and then the data will be analyzed.
- 100 Park Plaza Drive is a new 469 residential development consisting of sixty (#60) studio, one hundred ninety-seven (#197) one bedroom, one hundred ninety-three (#193) two bedroom and nineteen (#19) three bedroom residential units. An Engineer Review letter approving the application contingent on the submittal of further requested information was sent to the applicant
- Started preparing the new Sodium Hypochlorite/Sodium Bisulfite Bid Specifications. The Town has requested that the SMUA include the Recreation Department’s need for Sodium Hypochlorite for the pool facility be included into the SMUA’s yearly contract to achieve better overall prices. Meet with the Recreation department to gather information on the pool’s Sodium Hypochlorite usage quantity, usage pattern, product storage capabilities and delivery access. The SMUA along with the Recreation Department would require a shared service agreement for the SMUA to add the Recreation Department’s Sodium Hypochlorite requirements to the SMUA bid.

Beckmeyer Engineering, P.C.
Glenn M. Beckmeyer, P.E.,P.P.,CME
Authority Engineer
September 29, 2016

Commissioner Moloughney questioned the high cost of the trickling filter media asking if it could be partially replaced. The Executive Director explained that was not the case and that the cost only included delivery to the site, not removal of the existing media; cost to maintain the level of treatment; or the installation of new media. He further reported that these filters have benefits that others do not: such as a good thermal break due to the filters being made of approximately 12” of concrete; and the filters are covered that reflects the effects of UV

deterioration. These filters are inspected monthly and preventative maintenance is performed twice per year. Despite age, the plastic media appears to be in good shape.

OPERATIONS REPORT – September 2016
Submitted October 3, 2016

KOELLE BOULEVARD FACILITY

- 1) The estimated average daily flow for the month was 2.4703 MGD. Maximum daily flow was 4.2121 M.G.; the total estimated flow for the month was 73.5456 MG...
- 2) A new gear box was installed for the rag press located in the Grit Building.
- 3) Installation of the new power supply for the Secondary Sludge pumps is continuing by Carfi Electric.
- 4) Routine maintenance and grounds keeping were performed.
- 5) The Serpentine tank was drained and cleaned.
- 6) Plant flow meters were calibrated by A.B.B, Inc. this is a yearly requirement.
- 7) A new Silencer (muffler) was installed on Sludge Blower number one.
- 8) The probes for the Plant Water Tank were cleaned.
- 9) Bi-Annual cleaning and service was conducted on all of the Trickling Filters. Repaired sludge plows in the west Secondary Clarifier.
- 10) Bi-Annual cleaning and service was conducted on the Secondary Clarifiers.
- 11) New sensors were installed on the Emergency Diesel Fuel Tank for the leak detection system.
- 12) Two light switches were replaced in the Jet Truck Building.
- 13) H.V.A.C. service was conducted by Air Group Inc.
- 14) The Plant sprinkler system was drained for the season.
- 15) Grit Collector number three chain was repaired.
- 16) Grit Collector number one chain was repaired.
- 17) A new Pressure hose was installed on the Jet Truck.

PUMP STATION # 1 Village Place

- 1) The estimated average daily flow was .970 m.g.d..
- 2) All pumps cleaned and maintained on a regular basis.
- 3) Routine maintenance and grounds keeping were performed
- 4) Pump number two was sent out for repair. It seems to have bad bearings; we are awaiting the diagnostic report.
- 5) The Grit Pump for the wet well was repaired.

PUMP STATION # 2 Paterson Plank Road and Turnpike Exit

- 1) The estimated average daily flow was 73,070 g.p.d...
- 2) Routine maintenance and grounds keeping were performed.

PUMP STATION # 3 Henry Street

- 1) The estimated average daily flow was 40,532 g. p. d.
- 2) Routine maintenance and grounds keeping were performed.
- 3)

PUMP STATION # 4 New County Road and Seaview Drive

- 1) Routine maintenance was performed.

PUMP STATION # 5 Wilroy – Secaucus Road

- 1) This station is not in service. Grounds keeping was performed.

PUMP STATION # 6 Castle Road

- 1) Routine Maintenance and grounds keeping were performed.
- 2) The estimated average flow was 15,169 g.p.d.

PUMP STATION #7 - Xchange Complex

- 1) Routine maintenance was performed.

COLLECTION SYSTEM: Approximately 3,430 feet of sanitary lines were cleaned. The Authority assisted the D.P.W. in cleaning various catch basins.

Respectfully Submitted

Brian A. Beckmeyer Sr.
Superintendent

Chairman Vogel questioned the new pressure hose installed on the Jet-Truck. The Superintendent explained that the truck gets a lot of use. The Executive Director added that the hose can get stuck on debris and is stressed when trying to remove causing wear on the hose.

Administrative Assistant Laurie Purcell addressed the Board requesting consideration for an increase in salary. It was agreed that a formal written request will be submitted to the Board for consideration.

At 7:36 PM, a motion was made by G. Schoenrock, second by M. Moloughney to close the meeting. All in Favor 3-0-0.