

April 3, 2017

Minutes of a meeting of the Secaucus Municipal Utilities Authority held on Monday, April 3, 2017 at 7:00 PM in Conference Room, 1100 Koelle Boulevard, Secaucus, New Jersey 07094

The meeting was called to Order at 7:05 PM
 Pledge of Allegiance/Salute to the Flag
 The Open Public Meetings Act was read.

Roll Call:	Fred Vogel*	Chairman
	George Schoenrock	Secretary
	Mark Moloughney	Commissioner
	Ray Spellmeyer	Commissioner

*Note: Chairman Vogel arrived at 7:10 p.m.
 Treasurer Jorge Cardenas Absent: (excused)

Also Present: John Napolitano; Glenn Beckmeyer

The Minutes of the March 6, 2017 meeting were approved on a motion made by M. Moloughney, seconded by G. Schoenrock. Roll Call R. Spellmeyer, Aye; M. Moloughney, Aye; G. Schoenrock, Aye; Approved: 3-0-0.



Voucher List for Meeting of April 3, 2017

Prepared: 03/25/17

NUMBER2	COMPANY	MONEY	CK#	PO#	REASON
1	Alamo Insurance Group	2,537.44		2017-161	Risk Management Consultants Fee 2nd Install
2	Alpha Dog	150.00		2017-164	Monthly Maintenance & Hosting Fee:3/17
3	Air Group	3,175.95		2016-786	Parts to repair Boiler
4	Air Group	587.81		2017-179	Flame Sensor Repair Boiler
5	Air Group	297.00		2017-180	Service To Boiler
6	Beckmeyer Engineering	5,373.75		2017-204	Engineering Services:2/22/17 to 3/21/17
7	Beckmeyer Engineering	4,052.50		2017-205	Work for Approved Contracts
8	Bellaqua	113.50		2017-168	Water
9	Bio Triad	311.00		2017-002	Lift Station Degreaser
10	Bio Triad	311.00		2017-089	Lift Station Degreaser
11	Care Station	217.00		2017-170	Pre-Employment Physical: J. Schoendorf Jr
12	Clean Waters, Inc	1,521.00		2017-088	Polymer
13	Cleary, Jacobbe, Alfieri	3,877.00		2017-175	Legal Services: 02/01/17 to 02/28/17
14	Comcast	178.44	10457	2017-150	Internet Services: 03/02/17 to 04/01/17
15	Emerald	253.95		2017-128	3 Cases XL Gloves
16	Emerald	253.95		2017-192	3 Cases XL Gloves

17	Engineered Solutions	250.00		2017-165	Annual fee remote Access B. Bigler
18	Engineered Solutions	485.00		2017-166	Security System Review 12/16 to 1/17
19	Envirocon Inc.	69,095.00		2017-206	Dual Fuel Upgrade Payment #2
20	ERA	385.46		2016-748	For NJ D.E.P. Proficiency Testing-For Lab 20
21	Eurofins	28.00		2017-167	Analytical Services: Distilled Water 2/9/17
22	Eurofins	248.40		2017-169	Analytical Services: 2/9/17
23	Fisher Scientific	1,068.59		2017-039	Lab Supplies
24	Fisher Scientific	650.33		2017-154	Lab Supplies
25	GLEC	938.25		2017-178	HDG Consulting Services
26	Gpanj	200.00		2017-196	2017 Annual Membership
27	Grainger	230.69		2017-127	Various Parts Post Aeration Catwalk
28	Grainger	494.13		2017-143	Maintenance Supplies
29	Grainger	891.72		2017-155	Pipe Plug, Shovels
30	Harper Haines	2,356.76		2017-116	Plug Valves
31	Home Depot	47.91		2017-121	4- Tine Cultivator
32	Home Depot	18.03		2017-138	Paint Supplies
33	Home Depot	257.59		2017-182	Plywood & Lumber
34	Home Depot	328.89		2017-156	Salt Spreader, Wheel Barrow & Snow Shovel
35	Hudson Heating	18.86		2017-075	Multi Turn Drain
36	JCI Chemical	1,818.04		2017-153	Sodium Hypochlorite
37	Joseph's Florist	98.00	10465	2017-184	Sympathy Flowers
38	K-H Machine Works	765.00		2017-102	Baffle Plate for Grit Channel
39	Meadowlands Ford	85.18		2017-193	Part for F350 Truck
40	Miracle Chemical	1,218.75		2017-146	Sodium Bisulfite
41	Municipal Capital Finance	164.77	10458	2017-144	Copier Lease: Payment# 45 3/17
42	NJ Transit	806.00	10469	2017-197	Annual Occupancy Permit Main Line
43	NJUA-JIF	63,435.90		2017-162	Insurance 2nd Install 5/15/17
44	Nassor	45.94		2017-137	Panel Light Bulbs
45	National Water Main	1,512.00		2017-159	Sewer Cleaning @ River Road 2/21/17
46	One Call	2.50		2017-160	Mark outs: January (2)
47	PS&S	900.00		2017-176	Professional Services: NJPDES 2/28/17
48	PS&S	1,189.50		2017-177	Professional Services: Security Cams 2/28/17
49	PSEG	1,028.72	10466	2017-187	Power: Feb 2017
50	PSEG	18,858.45	10470	2017-198	Power Main Plant & PS 5: Feb. 2017
51	PVSC	14,208.00		2017-207	Sludge Disposal: 02/16/17 to 03/15/17
52	Persistent Construction	7,600.00		2017-210	Work As Per Contract Washington St.
53	Pitney Bowes	117.00		2017-173	Postage Meter Rental: 4/1/17 to 6/30/17
54	Praxair Dist Mid Atlantic	49.60		2017-117	Cutting Tips for Torch
55	Precision Electric	2,690.00		2017-058	Parts & Labor to Rebuild Pump
56	Purchase Power	320.99	10460	2017-152	Postage 2/2017
57	R&D Trucking	8,360.00		2017-172	Sludge Removal: 02/01/17 to 02/27/17
58	Spectraserv	3,956.00		2017-171	Monthly Container Charge: Feb. 2017
59	Staples Business	83.99		2017-122	Office Supplies
60	State of NJ	33,847.38	TEPS	2017-140	Hospitalization: Active Employees:03/17

61	State of NJ	1,394.46	TEPS	2017-141	Hospitalization: Retiree Employees: 04/17
62	State of NJ- Treasurer	1,915.00	10461	2017-157	Annual Lab Permit
63	Sterling Testing	106.09		2017-181	Pre-Employment Background Check: J.S.
64	Suez Water NJ	1,432.46	10421	2017-219	Water 01/15/17 to 02/19/17
65	Town of Secaucus	1,630.08		2017-188	Dental Reimbursement: April 2017
66	Verizon	286.19	10467	2017-185	Telephones 02/19/17 to 3/18/17
67	Verizon Wireless	222.98	10468	2017-186	Telephones: 02/13/17 to 03/12/17
68	WEF	107.00		2017-163	Annual Membership: J. Baer
69	WEX Bank (Sunoco)	560.23	10422	2017-139	Fuel: Feb. 2017
TOTAL:		272,021.10			

Roll Call to approve the voucher list as presented was approved on a motion made by G. Schoenrock, seconded by F. Vogel: Roll Call F. Vogel, Aye; R. Spellmeyer, Aye; M. Moloughney, Aye; G. Schoenrock, Aye; Approved: 4-0-0.

Old Business: None

New Business: Questions regarding the Generator project relating to unregulated gas with PSE&G and the redesign efforts that have been made. The Executive Director stated that the Authority believes that changes may not have been necessary and a credit may be due the Authority.

Report of the Executive Director March 2017 {March 31, 2017}

- Met with new Board Member Mr. Spellmeyer and briefed him on the functions of the position. He will attend the April meeting.
- Delivery of motor control parts for the secondary clarifier pumps and be replaced. Contacted the Authority Electrician in the process of installation.
- Work has commenced on the dual-fuel converter. We anticipate the project to be completed ASAP. There was an issue with gas pressure that I believe has been resolved. This has caused a final completion delay.
- A preconstruction meeting for the award of the security/SCADA system was held in February. Permits have been pulled and submittals have been arriving and being reviewed.
- Nothing further to report regarding the possible connection of the USCG Auxiliary building to the SMUA sanitary on Meadowland Parkway.
- The labor agreement has not yet been executed by the Union. There was a minor language change that reflects the Authority's accurate position regarding additional health coverage {current language is silent in regards to an employee seeking additional coverage (ex: single to family). This additional cost shall be the responsibility of the employee}.
- Nothing further to report regarding an ongoing problem with the privately owned collection system at Harmon Cove.

- The Authority installed a manhole on River Road near Acorn Road. The original connection was made in the early 1980's and there was no way to access the line for cleaning/inspection. There is a condo building and at least one residence connected to this line and the Authority has been onsite to jet this line as best as possible. Board members received photos of some of the debris in this line. We have placed this area in the high priority for routine maintenance.
- Received a preliminary draft permit from the NJDEP. Currently under review, but the issue of copper in the effluent remains a concern, even though the frequency for sampling was reduced from monthly to quarterly. We expect NJDEP to review and hopefully incorporate our comments into the Draft document.
- Met with the accountants and auditor in preparation of the 2016 audit.
- A situation has arisen with the privately owned sanitary sewer behind the CVS. Public Sewer Service was called in by the owner, jetted the line (that was loaded with grease) and got their jet stuck in the lateral. SMUA was called in due to the fact that Public insinuated that the sewer was broken in the street. Staff reviewed their video and found no break or collapse, but there were offset joints, no manhole or cleanout on at one 45 degree turn, an overabundance of grease still in the line, and the jet with approximately 100' of hose attached (they cut the hose & left it in place). There is still flow entering the main and in fact, when we tried to CCV it, there was too much flow for the camera to be used. We are still working on this project.
- Working on other start-up projects for the OHSP grant. Site lighting ~\$25,000; and security doors ~\$35,000. These costs are fully reimbursable through the grant.
- Gave a facility tour and interview to a student working on a science project regarding wastewater treatment.

Legal: No Report

**ENGINEERS REPORT
FOR THE MONTH OF MARCH 2017**

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

- Dual Fuel Generator. Bids Rebid opening was June 1, 2016. The low responsible bidder was Envirocon from N.J. at \$119,000. 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 began work in October. The high pressure gas line and fencing has been installed. Work has started on the generator. A temporary generator has been delivered and is hooked up to the Auto Transfer Switch and is presently the backup power for the facility until work is completed on the conversion. Work was halted to increase the gas pressure and flow from PSEG. Manufacturer's representative initially requested 2,000 cfh @ 1psi at the unit, which was

requested from PSEG by application. Later , the manufacturer requested 11,700 and 12,000 cfs at 5 to 7 psi. Finally, the Manufacturer certified that the request would be 6,000 cfh @ 3psi.This is now ordered from PSEG. The system will now be a non-regulated system where the facility will receive street press at a max 20 psi. The facility will be required to have two regulators, one being a lock-up type to step down the pressure. Work on the system should begin with the ordering and delivery of the new regulators. Met with the contractor and supplied revised drawings. Approved Payment Application #2.

- 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. 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. Easement was received and is being reviewed for compliance. Reviewed applicants engineers details on the force main, suggested to install a dual force main due to the location within an environmentally sensitive area. A dual force main is to be installed across the environmentally sensitive area.
- Contacted Tax Department to ascertain new tax maps for use by the Authority for facilities inventory. Meeting never occurred. Beckmeyer Engineer has submitted a proposal to the SMUA for re-creating the Sanitary Sewer Map with updated sewer serving areas. As recommended by the Commissioners, reached out to the NJSEA to see if the information can be OPRA'd. NJSEA information is not readily available. NJSIA has confirmed that the SMUA can purchase utility levels for an AutoCad file. My office will in return create usable updated maps of the SMUA sanitary Sewer system. This office will purchase the required utility layers and produce required maps. Reviewing the legal stipulations required by the NJSEA for purchase of their data.
- 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
- 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. New wiring has been installed and the system is operating. A new control panel is being proposed for the pumps.

- 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. Notified the engineer that a pre-treatment system would be required to combat high sulfide levels within the long force main. Also sent other information on known facilities within the construction area. Received an approved plan revisions and wrote a letter for a revision to the TWA.
- 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 was installed November 1, 2016 by PSEG. PSEG has returned to pick up the device. Waiting for their report.
- 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
- Reviewing a change of use at 215 County Avenue for the installation of a ink printer. The SMUA has informed the owner that they are required to submit a “Change of Use” application for a process discharge of additional 1,300 gpd.
- Started reviewing the design of a new blower at the post-aeration tank. The present blower is oversized and can be reduced in horse-power. Also is if the addition of a “VFD” on the existing blowers would also show the Authority power savings. Requested a manufacturer rep to quote the supply and installation of a VFD to run the existing blowers. Received proposal and reviewing. Requested further information on the VFDs.
- Site visits to River Road, River Court and Acorn Court. A 6 inch sewer main/lateral from an apartment complex has been backing up due to a blockage. The SMUA can only Video a few feet before the camera is submerged and can only jet about 35 feet before it is blocked. Met Persistent to develop a strategy on the repair of the line. A test pit will be dug around the point of the blockage to determine the appropriate repair. Road closure to River Court and River Road will be evident due to the tight confines of the roads. Went to site three times and marked location to excavate. Work to install a manhole for access on River Road is completed.
- Norfolk Southern has placed concrete barriers at the access to the SMUA Seaview Pump Station making access very difficult to impossible, never mind the difficulty of snowplowing the access drive. Started pulling stored files from the construction of that project. Will create an access description, with attorney assistance, to guarantee the SMUA authority of access and maintenance. Sent a preliminary description to Attorney.
- Reviewed an easement on the property of 34 Meadowlands Parkway. The SMUA has a 36 inch trunk line that runs through the parking lot of this new

apartment complex, however, an easement was never recorded. Received an easement description from Hartz and in process of checking metes and bounds.

- Prepared and submitted the 2017 annual Engineer Certification.
- Reviewed the Pump Station at Exchange Place for drainage issues. Designed a small drainage system to relieve the PS of flooding during rain events.
- Started the 2017 COAH report.
- Started and continuing reviewing the streets where the Town will be repaving in 2017 and inspecting for manhole rims/covers for replacement.
- Reviewed door and frame cut sheets for the door replacement project.
- Met with representatives from Bradbury to discuss the denial from the SMUA to accepting their waste due to it's dye color
- Contacted Hartz and requested drawings of their entire Sanitary Sewer Collection System.

Beckmeyer Engineering, P.C.
Glenn M. Beckmeyer, P.E.,P.P.,CME
Authority Engineer
March 29, 2017

OPERATIONS REPORT – March 2017
Submitted April 3, 2017

KOELLE BOULEVARD FACILITY

- 1) The estimated average daily flow for the month was 2.826 MGD. Maximum daily flow was 4.3633 M.G.; the total estimated flow for the month was 85.8476 MGD.
- 2) All Trickling Filters were dosed with Sodium Hypochlorite for Semi-Annual service and maintenance.
- 3) Semi – Annual service and maintenance was conducted on all Trickling Filters.
- 4) Routine maintenance and grounds keeping were performed.
- 5) The Serpentine tank was drained and cleaned.
- 6) Semi-Annual service and maintenance was conducted on the center Secondary Clarifier.
- 7) The Secondary Sludge Control Panel is being rebuilt by Carfi Electric.
- 8) A four (4) inch plug valve was replaced at the intake of Primary Sludge Pump number two.
- 9) A six (6) inch plug valve was replaced at the discharge of Sludge Transfer Pump number one (1).
- 10) All overhead cranes were inspected and certified by Maximum Material Inc.
- 11) A new sink was installed in the Sludge Building.
- 12) A shear Pin was replaced on the drive unit of Primary Clarifier number five (5).

- 13) The unit heater located in the southwest corner of the building was repaired.
- 14) The drive belts were changed on Sludge Blower number one (1).
- 15) The drive chain and sprockets located on the Sludge Thickening tank need to be replaced. Quotes have been received to purchase the replacement parts.
- 16) Boiler number two (2) is in need of a new flame gun and insulation. The work has been authorized and we are waiting for Air Group Inc. to begin the work.

PUMP STATION # 1 Village Place

- 1) The estimated average daily flow was 1.138 M.G.D.
- 2) All pumps cleaned and maintained on a regular basis.
- 3) Routine maintenance and grounds keeping were performed.
- 4) Pump number failed with bad bearings. Pump was taken to Precision Electric for repair.

PUMP STATION # 2 Paterson Plank Road and Turnpike Exit

- 1) The estimated average daily flow was 79,260 G.P.D.
- 2) Routine maintenance and grounds keeping were performed.

PUMP STATION # 3 Henry Street

- 1) The estimated average daily flow was 60,303 G.P.D.
- 2) Routine maintenance and grounds keeping were performed.

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) The estimated average flow was 19,456 G.P.D.
- 2) Routine Maintenance and grounds keeping were performed.

PUMP STATION #7 - Exchange Junction

- 1) Routine maintenance was performed.
- 2) Elevations were taken by the Authority Engineer to improve drainage.

COLLECTION SYSTEM: The Authority assisted the D.P.W. in cleaning various catch basins. 400 feet of Sanitary Sewer was cleaned.

Respectfully Submitted
Brian A. Beckmeyer Sr.
Superintendent

At 7:36, a motion was made by F. Vogel, seconded by M. Moloughney to enter into executive session.

RESOLUTION TO ENTER INTO EXECUTIVE SESSION

BE IT RESOLVED by the Board of Commissioners of the Secaucus Municipal Utilities Authority that the Board shall immediately hereinafter continue its meeting in executive session

in accordance with the New Jersey Sunshine Law.

The purpose of this Executive Session is:

- 1) To discuss Personnel

The matters discussed in Executive session will be disclosed to the public at such time as action is taken by the Authority or if possible, prior to action being taken if the Authority feels that disclosure can be made without affecting the public interests of the individuals affected.

There being no further business, a motion was made at 7:55 by F. Vogel and seconded by G. Schoenrock to close the Executive Session and reopen the Public portion of the meeting.

At 7:58 a motion to adjourn the meeting was made by F. Vogel; seconded by M. Moloughney. All in Favor 4-0-0.