

Minutes of Meeting #538, October 24, 2016 – Stony Brook Regional Sewerage Authority

LOCATION: Conference Room, River Road Plant, Princeton, NJ

MEMBERS PRESENT: Bartolini, Compton, Downey, Goldfarb, Morehouse

MEMBERS ABSENT: Patel

CONSULTANTS: Alexander

STAFF PRESENT: Bixby, Carlino, Hess, Ireland, Irizarry, Kantorek, Kunert, Pchola, Rahimi, Redding, Roga, Sears, Thomas

538.01 Chairman Bartolini indicated that pursuant to Section 13 of the Open Public Meetings Act, adequate notice of the time and place of this meeting was given by filing with the Authority's official newspapers, each Clerk of each municipality and by being posted on the Princeton Bulletin Board and on the Authority's website.

538.02 Approval of Minutes

Chairman Bartolini asked for questions/comments on the minutes from the September 26, 2016 Board meeting. Mr. Goldfarb recommended that on page 11, paragraph 7, line 1 reads "The person's home..." be changed to read "Mr. Seglem's home..." In addition, paragraph 8, line 2, reads "...Mr. Kantorek invite him ..." be changed to read "...Mr. Kantorek invite Mr. Seglem ..." The minutes were then approved as amended on a motion by Mr. Goldfarb, seconded Mr. Morehouse and passed by a vote of 5 to 0.

538.03 Board Related Activities

Consultant List

Mr. Kantorek noted that there are no contracts pending award tonight.

Chairman Bartolini then indicated that Approval Requests will be addressed at this point in the meeting since a representative from Heritage at Pennington was present.

538.05 Approval Requests and Actions

TWA-1 Approvals

**Heritage at Pennington, Block 102, Borough of Pennington**

Ms. Pchola explained that this project is for the construction of 1,578 linear feet of 8-inch diameter sanitary sewer to provide service to Phase I of the Heritage at Pennington residential development. The development consists of forty-four (44) residential units (twenty (20) villa units, sixteen (16) townhouse units and eight (8) condominium/Council on Affordable Housing units).

38	3-bedroom	300 gpd/unit	11,400 gpd
4	2-bedroom	225 gpd/unit	900 gpd
2	1-bedroom	150 gpd/unit	300 gpd
<b>Total Flow</b>			<b>12,600 gpd</b>

This project has received the Borough of Pennington Planning Board Approval and approval of the Pennington Borough Water and Sewer engineer certifying to the capacity of the wastewater conveyance system.

Staff recommended approval of the TWA for Phase I of the Heritage at Pennington for the flow rate of 12,600 gpd. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a vote of 5 to 0.

**Stanton Girard Site, Block 96, Lot 29.01 Township of South Brunswick-Middlesex County**

Ms. Pchola indicated that staff prepared a letter to the USEPA requesting a waiver from a grant condition to allow the Authority to provide service to the Stanton Girard site which contains environmentally sensitive areas. A copy of the letter was provided to the Board. All documentation was provided by the applicant Mr. Robert Stanton. Staff requested and received a formal request from Mr. Stanton requesting the Authority to submit the waiver to EPA.

**Ashton Estates, Block 95, Lots 51.02, 51.04, & 51.06, Township of South Brunswick**

Ms. Pchola reported that this project is for the construction of 649 linear feet of 8-inch diameter sanitary sewer to provide service to four (4) three (3) bedroom residential dwellings.

4	3-bedroom	300 gpd/unit	1,200 gpd
Total Flow			1,200 gpd

This project has been approved by the South Brunswick Board of Adjustment and endorsed by the South Brunswick Township engineer.

Staff recommended approval of the TWA for the requested flow rate of 1,200 gpd. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a vote of 5 to 0.

**Windy Top Subdivision, Block 3001, Lots 1 &2, Princeton**

Ms. Pchola indicated that this project is for the construction of 409 linear feet of 8-inch diameter sanitary sewer to provide service to seven (7) three (3) bedroom single family homes (two existing homes will be demolished and the lots will be subdivided into a seven lot cluster).

7	3-bedroom	300 gpd/unit	2,100 gpd
		Total Flow	2,100 gpd

The project/TWA has been approved and signed by the Princeton Sewer Operating Committee (PSOC) and the Princeton Engineer. The subdivision has been approved by Princeton.

Staff recommended approval of this application for the flow rate of 2,100 gpd. So moved by Mr. Goldfarb, seconded by Dr. Downey and passed by a vote of 5 to 0.

**Life Time Fitness, Block 701, Lot 33.01, Township of Plainsboro**

Ms. Pchola reported that this project is for the construction of 1,232 linear feet of 8-inch diameter sanitary sewer and six (6) manholes and service for a 119,333 sf fitness center. The applicant requested and received approval from NJDEP to use 0.33 gallons per day per square foot. A copy of the letter from NJDEP dated June 24, 2014 granting approval to use 0.33 gallons per day per square foot versus the NJDEP Projected Flow Criteria (N.J.A.C. 7:14A-23.3) requirement of 35 gallons per non-residential club member was provided to the Board.

Fitness Club	119,333 sf	0.33 gal/sf	39,380 gpd
		Total Flow	39,380 gpd

This project has received Township of Plainsboro Planning Board Approval and has been endorsed by both the Plainsboro and South Brunswick Township engineer.

Staff recommended approval of this application for the flow rate of 39,380 gpd. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a vote of 5 to 0.

NJPDES Enforcement Requested

None.

Water Quality Management Plan Amendments

None

## Allocated Flow Update

None.

### 538.04 Planning and Administration

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 8,560,531 gpd with 808,747 gpd of approved but inoperative flow for a total committed flow of 9,369,278 gpd with 3,690,722 gpd or 28.26% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 219,719 gpd with no inoperative flow, for a total committed flow of 219,719 gpd with 26.76% or 80,281 gpd of available capacity. The Pennington Plant presently has 233,946 gpd as the most current 12-month average daily flow, with 18,734 gpd of approved but inoperative flow, for a total committed flow of 252,680 gpd, with 15.77% or 47,320 gpd of available capacity. Mr. Kantorek noted that most of the inoperative flow total for the Pennington Plant is the unused portion of Bristol-Meyers Squibb approved flow.

Mr. Kantorek noted that the NJDEP formally issued a drought warning in fourteen (14) counties in Northern and Central New Jersey. Although NJDEP has not placed mandatory restrictions on residents, it is an indication of the extremely dry weather conditions the state has been experiencing over the past several years.

Mr. Kantorek also indicated that the newly approved project (Heritage at Pennington) in Pennington Borough is not reflected in the 18,734 gpd. Therefore, once it is added to the inoperative flow there will be approximately 2,500 gpd of actual available capacity at the Pennington Plant.

### Monthly Flow Transmittal

The monthly flow transmittal for September was provided for information.

Mr. Kantorek noted that all billing meters were within the  $\pm 5\%$  and therefore no adjustments were necessary.

### 538.06 Regulatory Report

#### Discharge Monitoring Report (DMR)

Mr. Rahimi reported that the Discharge Monitoring Reports for the month of September were submitted to the NJDEP. No violations were reported.

Mr. Rahimi indicated that staff is currently reviewing the October DMRs.

Mr. Rahimi reported that the quarterly bioassay for River Road and semi-annual bioassay for Hopewell and Pennington facilities were conducted in September and submitted to the NJDEP on October 11, 2016. The results were >100% for all three facilities.

#### Residuals Discharge Monitoring Report (RDMR)

Mr. Rahimi indicated that the July Residuals Discharge Monitoring Reports were submitted to the NJDEP. All River Road parameters were compliant with the Authority's Air Permit requirements.

Mr. Rahimi noted that staff is currently reviewing the August RDMRs.

#### Air Reporting

Mr. Rahimi reported that the 3<sup>rd</sup> quarter 2016 Excess Emissions and Monitoring Performance Report (EEMPR) is currently being reviewed.

Mr. Rahimi noted that the following Affirmative Defense letters were submitted to NJDEP for potential permit violations:

- September 1, 2016 – Incinerator No. 2 operating with the RTO (OS28) – The fuel combustion air fan shut down causing the burners to shut off and sludge feed to the incinerator to stop. The valve switched from the RTO to the afterburner. The afterburner was below 1500 deg. F with sludge combustion in the incinerator. The fuel combustion air fan was restarted and the valve switched back to the RTO (the event lasted one-minute 10:20 to 10:21)
- September 21, 2016 - Incinerator No. 2 operating with the RTO (OS28) – There was an instrument air compressor low pressure alarm. The ID fan shut off, sludge feed stopped, the bypass damper opened and the valve switched from the RTO to the afterburner. The bypass stack was open during combustion in the incinerator (07:12 to 07:16). The valve was manually switched back to the RTO at 07:19. The incinerator exhaust exited through the afterburner below 1500 deg. F from 07:16 to 07:19.
- September 24, 2016 – Incinerator No. 2 operating with the afterburner (OS3) – We received a high amperage alarm potentially due to slag build up. As a result, the center shaft drive and sludge feed were stopped at 15:48. The SBRSA mechanic was called in to investigate. At 17:01 the center shaft cooling air fan belts broke causing all burners to shut off. At 17:03 the temperature in the afterburner went below 1500 deg. F. The center shaft cooling fan was repaired and the burners were re-lit. At 18:10 the afterburner temperature was above 1500 deg. F. Sludge feed was re-started at 19:01. Due to the center shaft cooling fan malfunction Incinerator No. 2 was operating with the afterburner below 1500 deg. F for 67 minutes (17:03 to 18:10) while sludge was in the incinerator. During the entire incident, the scrubber was operating within the regulated one-hour block average parameters of water flow rate > 1,077 gpm and pressure drop > 18.6 inches w.c. as determined by the most recent stack test.

Mr. Morehouse asked if staff is tracking affirmative defenses for other facilities. Mr. Morehouse indicated that it may be interesting to see how these new EPA regulations are affecting other facilities with incinerators. Mr. Kantorek explained that fluidized beds may fair better than SBRSA.

A brief discussion followed regarding PSE&G power outages.

#### 538.07 Safety

Mr. Irizarry reported that there were no accidents or injuries for this reporting period.

Mr. Irizarry noted that as of October 18, 2016, Stony Brook Regional Sewerage Authority has gone 104 consecutive days without a “Lost Time Accident”.

Mr. Irizarry stated that on September 7, 2016 staff met with Traffic Plan to discuss the details for traffic control during the Millstone Force Main Inspection project. Due to projected costs, staff also met with Flagger Force on October 3, 2016 and is still waiting for their proposal.

Mr. Irizarry indicated that on October 5, 2016 staff held its quarterly safety meeting. A copy of the meeting minutes was provided to the Board.

Mr. Irizarry reported that on October 7, 2016 staff began an assessment of the 2016 Kleinfelder Inspection Report to help determine and prioritize repairs. The Hopewell and Pennington Plant assessments were completed and are currently under review by staff.

Training for this reporting period included:

- Blood-borne Pathogens refresher training was provided in-house on October 5, 2016 for 8 employees.
- Hearing Conservation training was provided in-house on October 5 2016 for 3 employees.
- Storm Prevention Control and Counter-measures and Storm Water Pollution training was provided in-house on October 5, 2016 for 7 employees.

#### 538.08 Litigation

The Litigation Report was provided for information. Ms. Alexander noted that one change was made to the report.

RRWWTP Headworks Facility Project, SBRSA Contract 10-1, Tomar Construction Claims

Ms. Alexander stated that the terms of the Settlement Agreement were approved by the SBRSA at the September Board Meeting.

538.09 Operations Report

River Road Facility

Mr. Kunert reported that there are two main pumps which pump all the process water that flows to the Process Drain Well back to the head of the plant. This flow makes up most of the recycle water that is used process wide. The suction, discharge and check valves on these pumps are original and are in need of replacement. On September 21, 2016, all flows were stopped to the Process Drain Well and the three valves on Pump No. 1 were replaced. This pump also needed bearings replaced so it was isolated and removed for repair. Process Drain Pump No. 2 will have the three valves replaced when Pump No. 1 is repaired and put back into service. Repair of Pump No. 1 was completed in approximately seven (7) hours. Since the flow to the Process Drain Well cannot be stopped for more than a few hours, a diesel pump was rented to pump flow to Structure No. 3 and allowed to back up into an off-line Nitrification Clarifier. The job was set up by SBRSA personnel and the actual valve replacement was performed by an outside contractor, Shafts & Sleeves.

Mr. Kunert indicated that the RTO and the WESP were taken off-line from September 22, 2016 through September 27, 2016. This was done so the annual inspection of the RTO could be performed as well as the annual Preventative Maintenance on the transformer/rectifier of the WESP. The Afterburners were used during this time.

Mr. Kunert noted that staff is conducting polymer trials during the month of October 2016.

Mr. Kunert reported that SBRSA has advertised for bid for the necessary repairs to Incinerator No. 1. Bids will be received on November 10, 2016.

Mr. Kunert indicated that Sludge Thickener #3 was dewatered, cleaned, de-gritted and inspected.

Mr. Kunert stated that Lee and Joanne Seglem were given a tour of the River Road WWTP on Friday, October 7, 2016. The purpose of the tour was to have them see the odor control measures that the Authority has put in place and to see if they could identify the odor which was the cause of their odor complaints. When Mr. and Mrs. Seglem reached the headworks/grit chamber area, they both said that the odor they were smelling in this area was the same as they observed at their home. Staff then began a thorough search in this area to identify any odor issues.

Mr. Kunert stated that while focusing on the headworks building for possible odor emissions, staff discovered some leakage of H<sub>2</sub>S laden air being vented from the grit chambers in the area just beneath the air blowers. The problem was resolved by lowering the weirs which in turn lowered the water elevation within each grit chamber. This will ensure that the entire area between the water level and the covers remains negative. Staff has also replaced the media in the three biofilters which treat the air being exhausted from the Headworks Building.

Mr. Kantorek indicated that he has been corresponding with Mr. Seglem through emails. Mr. Kantorek explained that Mr. and Mrs. Seglem were told of the steps that the Authority is taking at the Headworks and that the media in the biofilters was being replaced with new media. Once these steps are completed, Mr. Kantorek asked Mr. Seglem to let him know if that eliminated the odors.

Mr. Goldfarb stated that if this did solve the odor problem it is a milestone in SBRSA's odor abatement process. Staff needs to treat every odor complaint very seriously and identify the cause for each odor complaint.

A brief discussion followed regarding odor complaints. Chairman Bartolini stated that once staff is sure that the odor complaint has been resolved it should be noted on the graph.

#### Upstream Facilities

Mr. Kunert stated that both upstream facilities are operating well.

#### Odor Report

Mr. Kunert reported that staff received eight odor complaints during the month of September and no odor complaints for the partial month of the October 2016 reporting period. All eight complaints were reported by Mr. Lee Seglem.

#### Customer Septage and Sludge Deliveries

The quantities of liquid sludge and sludge cake exceeded their budgeted amounts while the quantity of gray water was below its budgeted amount for the month of September. SBRSA continues to receive sludge cake from Somerset Raritan Valley Sewerage Authority (SVRSA).

Mr. Kantorek indicated that SVRSA has a meeting with the USEP on November 1, 2016 to discuss the Consent Agreement. SBRSA should continue to receive sludge cake from SVRSA for the next several months.

#### 538.10 Maintenance

Mr. Ireland reported that as a safety precaution a new safety railing was installed on August 25, 2016 at the Chemical Building Hoist Area. This is in addition to the one presently in use. There were concerns that the present railing in use, although removable, was not adequate and thought that more strength with better anchoring was needed.

Mr. Ireland indicated that the RTO fan was removed from service for excessive vibration on September 7, 2016. After further investigation, it was revealed that the existing bearings were badly worn and in need of replacement. The existing bearings were removed and replaced with a set of new bearings from inventory and installed along with the addition of new grease lines. Down time was minimal and the unit was tested and placed back online.

Mr. Ireland reported that Blower No. 1 located in the Biofilter building seized on September 14, 2016. The inlet filters became damaged from sucking in water and small stones from a previous high flow condition. New stainless steel frames were fabricated by Marshall Maintenance. The blower was dismantled and exercised to free up the impellers. Once the blower was ready for operation the new inlet filters were installed. A new soft start was also installed by Instrumentation during the down time. The blower was tested and placed into service.

Mr. Ireland noted that during routine maintenance of the South Brunswick Pump Station on September 22, 2016, it was found that the existing water heater was split and leaking. The circuit breaker was found to be faulty as well. A new 6.5 gallon, 1400-watt energy saving water heater was installed along with a new circuit breaker and placed back into service.

Mr. Ireland reported that the current monthly open work requests stand at fourteen (14). The preventive maintenance graphs show that SBRSA is currently averaging two (2) days overdue and the number of overdue units is approximately twenty-five (25).

#### 538.11 Construction Report

##### Phosphorus Impact Modeling Study

Ms. Pchola reported that Kleinfelder continues to work on the model calibration.

##### Odor Evaluation

Ms. Pchola reported that staff received the results of the odor evaluation for the sampling that was conducted on August 15 and 16, 2016 by TRC. A copy of the TRC Report dated August 26, 2016 was provided to the Board. A table was provided to the Board summarizing the results over the last nine (9) years.

Ms. Pchola indicated that also included is a table indicating the results of the odor evaluation compared to the results of the new portable Hydrogen Sulfide (H<sub>2</sub>S) instrument purchased by SBRSA. Staff has also included a graph which shows the relationship of our H<sub>2</sub>S readings versus the odor intensity at various outlet points. The outlets to the sludge cake carbon adsorber and the hypochlorite scrubbers have an odor intensity of moderate to strong and have H<sub>2</sub>S readings above the H<sub>2</sub>S odor threshold of 0.01 ppm. Included is an OSHA Fact Sheet on H<sub>2</sub>S that lists the hazards and health effects of H<sub>2</sub>S. Note that typical background H<sub>2</sub>S concentrations are between 0.00011 to 0.00033 ppm and that the odor threshold (when the smell is first noticeable) is between 0.01 to 1.5 ppm. It should be noted that odors at our site do not solely consist of H<sub>2</sub>S and therefore we could have a high odor intensity without a high H<sub>2</sub>S reading.

Dr. Downey indicated that the Authority will be replacing the carbon in the Sludge Cake area within the next six (6) months. Dr. Downey noted that the highest areas of odors are coming from the Grit Chambers and the MA Tanks. The media in the biofilters is also being replaced and is scheduled to be replaced every three (3) years. Staff may look to change out the media in the biofilters every two (2) years.

#### 2016 Annual Inspection

Ms. Pchola indicated that a copy of the Draft 2016 Annual Inspection Report was provided to the Board. Staff is currently in the process of reviewing the report and providing our comments to Kleinfelder. The Safety Manager has started his review of the report with a site inspection of the upstream plants.

Dr. Downey indicated that the Construction Committee recommended that Section 2 of the report be moved to the front of the Report since it is a summary of suggestions and recommendations.

#### KEMS 2016 Advice

Ms. Pchola stated that Mr. Karl Monninger of KEMS has provided staff with a draft letter to NJDEP for a significant modification request to the existing Title V Permit (BOP 130002). The modification will incorporate changes to be in compliance with the EPA Federal Plan (Subpart LLL) and to incorporate the operating parameters based on the stack tests conducted in December 2015 (Incinerator No. 1) and January/February 2016 (Incinerator No. 2). Staff has a meeting scheduled with Mr. Monninger on October 25, 2016 to discuss these changes.

Ms. Pchola indicated that in addition KEMS has coordinated with Montrose (formerly known as Avogadro) to conduct the next stack tests. The cost of the stack tests for both incinerators is \$197,000 (excluding the cost for KEMS to conduct the review of the data and submission to NJDEP). KEMS expects to submit the stack test protocol to NJDEP the first week in November and then the tests can be scheduled with NJDEP. It is expected that the stack test for Incinerator No. 1 will be conducted in January and Incinerator No. 2 the following month.

Dr. Downey indicated that the Authority only needs two (2) good stack test results as opposed to three (3) in order to conduct stack testing every three (3) years.

#### Data Center

Ms. Pchola noted that based on discussions with SBRSA's IT Manager and the importance of the server room, it was decided to limit access of the server room through the IT Manager's office (closing off access through the hallway). In doing so there is architectural work required including modifications to the walls, door access, ceiling, and floor in addition to electrical and HVAC work. At the recommendation of Mr. Goldfarb, a fire suppression system will be added to the project. On October 6, 2016, staff sent a request for proposals (RFP) to four (4) firms (GHD, R3M, AECOM and KSS Architects – a local architectural firm in Princeton) to provide design and construction services for a new server room as a "No Political Contributions Allowed" project. A pre-proposal site visit was held on October 17, 2016. GHD and R3M attended the site visit. Proposals are due to the Authority on November 4, 2016. It is expected that this project will be awarded at the November Board meeting.

#### Millstone Force Main Condition Assessment

Ms. Pchola indicated that staff had discussions with Katie Burzynski, the Project Engineer with Pure Technologies and we are both in agreement that the work will be conducted in the spring when SBRSA anticipates that the flows will be higher in order to achieve the increased velocities necessary for the inspection. However, if we continue to experience low flow/groundwater conditions in the spring, staff will request a short-term water use permit by rule (Form BWA-003) from NJDEP and coordinate with the New Jersey Water Supply Authority (NJWSA) when there is sufficient water in the D&R Canal.

#### River Road Filtration/Disinfection Byproducts Compliance

Ms. Pchola indicated that Kleinfelder is in the initial phase of collecting data.

#### Contract 16-1 Schwing Pump Replacement Project

Ms. Pchola reported that GHD has incorporated the revisions into the contract documents in response to the NJDEP comment letter. On October 18, 2016, staff sent the Bidding Requirements and Contract Forms to the Office of Equal Opportunity for their review and approval as part of the Socially and Economically Disadvantaged (SED) requirements for the NJEITFP.

#### Pennington WWTP Upgrade and Expansion

Ms. Pchola reported Kleinfelder continues to work on the upgrade and expansion by coordinating/initiating the mechanical, structural and electrical design. Kleinfelder has

also initiated work on the preliminary design, prepared the geotechnical report, and discussed various equipment and design options with staff.

Ms. Pchola noted that Kleinfelder has completed the 30% preliminary design and it is currently under review in-house prior to submission to SBRSA. Staff anticipates receipt of the report and drawings by the end of October.

#### Contract 10-1, Headworks Project

Ms. Pchola reported that staff sent the required Certificate of Construction Completion, Certificate of Performance, and Certification of Final Plan of Operation, O&M, and Initiation of Operation to NJDEP on October 11, 2016. Staff has received the final pay estimate for the closeout of the project.

#### Contract 14-1, SBRSA Emergency Generator Project

Ms. Pchola indicated that as of Pay Estimate No. 11 this project stands at 89% complete. During the past reporting period Thomas Controls, Inc. (TCI) completed the following work at the River Road facility: completed the installation of the new generator exhaust piping, completed the installation of the lightning protection system for the Chemical Building, insulated the generator exhaust silencer, installed the HVAC control panel, and installed the batteries and battery charger for the switchgear.

Ms. Pchola indicated that on October 8th through the 10th PSE&G was on site and completed the installation of the new underground natural gas piping from their tie-in point to the location for the new meter/pressure reducing set. The next step in this process will be the installation of the meter/pressure reducing equipment to connect the PSE&G gas line to the generator natural gas supply line. This work will be completed by PSE&G.

Ms. Pchola reported that on October 13, 2016 Thomas Controls Inc. submitted the proposed change order for the sub-station modifications. The submitted amount is \$144,677.50. The change order is currently under review by SBRSA and AECOM/Kleinfelder.

#### Contract 15-3, Ash Handling System Improvements

Ms. Pchola reported that BR Welding was on site October 18, 2016 and installed the air injection ports and roughed in the air supply piping for the new air injection system. It is anticipated that the new system will be completed by mid-November.

#### Contract 16-2, MA Effluent Channel Mixers

Ms. Pchola indicated that Kleinfelder is in the process of incorporating the final changes to the plans and specifications. It is anticipated that this project will be awarded at the December 19<sup>th</sup> Board meeting.

### Contract 16-3 Fire Alarm System for Hopewell and Pennington WWTP

Ms. Pchola reported that Meridian continues to submit shop drawings. A site visit was held on October 18, 2016 to review the conduit runs and layout at both treatment plants. Meridian expects to begin the installation of conduit and wire at the Pennington plant the week of October 24, 2016.

### Contract 16-4, Incinerator Center Shaft Drive Replacement

Ms. Pchola reported that this project was advertised for bid on October 6, 2016 and a pre-bid site visit was held on October 13, 2016. Bids will be received on November 10, 2016. It is anticipated that this project will be awarded at the November Board meeting. The estimated construction cost is \$270,000.

### Process Control/SCADA

Ms. Pchola indicated that W.G. Malden conducted the meter certification for Princeton Farms on September 26, 2016. The meter was within  $\pm 2\%$  accuracy. The meter verification was conducted for all meters on September 30, 2016. Preventative maintenance was completed for all field devices and process control loops.

### CEMS Carbon Monoxide Analyzer Replacement

Ms. Pchola indicated that there has been no change to this project during the past reporting period. SBRSA is waiting to receive approval of the performance specification test (PST) results from the NJDEP, Bureau of Technical Services.

### Plant Influent Flow Meter

Ms. Pchola explained that SBRSA staff continues weekly calibration checks on the two flow transmitters to establish historical accuracy data on each transmitter. The “as-found” error for the low-side transmitter has ranged from 6.5% to -7.3% and the error for the high-side transmitter has ranged from 5.01% to -1.89%. Staff continues to collect weekly data.

Ms. Pchola reported that at the request of the Construction Committee staff has provided a table at the end of this report that summarizes the comparison of the sum of our billing meters versus the River Road WWTP influent meter. Once staff is confident in the results of the influent meter, this data will be used for DMR reporting and will have no effect on the billing meters. Staff will continue to monitor the influent meter with weekly calibration checks. It is anticipated that the River Road WWTP influent meter data will be used for DMR reporting starting in January 2017.

Information Technology

Mr. Thomas indicated that the IT staff is in the process of having a redundant internet connection established. This connection will also provide needed bandwidth for cloud services such as off-site backups.

Mr. Thomas reported that a study was conducted to evaluate alternatives for improving cell service in and around the Operations Building and Engineering Trailer at the RRWWTP. The recommended alternative is to install 5 network extenders, which will be purchased from Verizon Wireless at a total cost of \$2,000. There will be no monthly fee associated with this equipment. A memo was provided to the Board with details on the various solutions that were reviewed by staff.

538.12 Finance Report

Payment of Bills and Claims

Mr. Morehouse moved for approval of Resolution 2016-64 for the payment of bills and claims in the amount of \$1,421,354.39 with two signatures instead of three. The motion was seconded by Dr. Downey.

The payment of bills and claims was passed by a roll call vote of 5 to 0. Resolution 2016-64 follows.

**Resolution Regarding Payment of Bills and Claims**

**Resolution No. 2016-64**

**WHEREAS**, the Stony Brook Regional Sewerage Authority received certain claims against it by way of voucher, and

**WHEREAS**, the staff and Authority members have reviewed said claims,

**NOW, THEREFORE, BE IT RESOLVED** by Stony Brook Regional Sewerage Authority that these claims in the total amount of **\$1,421,354.39** be approved for payment with checks bearing two authorized signatures instead of three authorized signatures.

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>ABSENT</u>
Robert A. Bartolini	X			
Harry Compton	X			
Gale D. Downey	X			
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel				X

Treasurer's Report

Mr. Sears reported for the nine-month period ending September 30, 2016 net income stands at \$892,666. The Authority continues to receive sludge cake from Somerset Raritan Valley Sewerage Authority (SRVSA). The Authority has total cash and investments of \$17,591,925 at an average interest rate of 0.31%. The current construction projects balance is \$14,567,284. Mr. Sears noted there are sufficient funds for these projects. The outstanding bond principal balance is \$21,007,958. The next bond payment is scheduled for December 1, 2016. The New Jersey Cash Management Fund yield is 0.15%.

Monthly Sludge Business Analysis

Mr. Sears reported that net income for the month of September is \$149,676 and the cumulative net income is \$1,294,995.

538.13 Personnel Report

The Personnel Report was provided for member information.

The Authority anticipates filling one of the two Operator VI openings in November.

538.14 Correspondence

For information.

538.15 Old Business

None

538.16 New Business

Award of Liquid Sludge Contract

The following liquid sludge contract was approved on a motion by Dr. Downey, seconded by Mr. Compton and passed by a vote of 5 to 0.

South Monmouth Regional Sewerage Authority	1,000,000 to 1,350,000 gallons	January 1, 2017 to December 31, 2017
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538.17 Open to the Public

None.

538.18 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 8:28 p.m. on a motion by Dr. Downey, seconded by Mr. Morehouse and passed by unanimous vote.

Respectfully Submitted,

John Kantorek  
Secretary

Recorded and Written by  
Patricia Carlino  
October 28, 2016