

Minutes of Meeting #510, June 23, 2014 – Stony Brook Regional Sewerage Authority

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

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

MEMBERS ABSENT:

CONSULTANTS: Alexander

STAFF PRESENT: Bixby, Carlino, Cespedes, Irizarry, Kantorek, Neuhof, Pchola, Rahimi

510.01 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.

510.02 Approval of Minutes

The minutes from the May 19, 2014 Board meeting were approved as presented on a motion by Dr. Downey, seconded by Mr. Goldfarb and passed by a vote of 6 to 0.

510.03 Board Related Activities

Consultant List

The consultant list was provided for information. Mr. Kantorek indicated that three contracts are pending award tonight; two contracts will be discussed in the Construction Section and one will be discussed in the Finance Section.

July 28, 2014 Board Meeting

Mr. Kantorek indicated that we were having difficulty in obtaining a quorum for the July 28th Board meeting. The results of a polling of the Board indicated that we would have a quorum for July 21, 2014. Mr. Kantorek recommended that the Board meeting be changed from July 28, 2014 to July 21st. Dr. Downey made a motion to cancel the July 28th meeting and reschedule the meeting to July 21st. The motion was seconded by Mr. Patel and passed by unanimous vote.

The meeting change will be properly noticed in the newspaper.

510.04 Planning and Administration

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 9,983,537 gpd with 949,954 gpd of approved but inoperative flow for a total committed flow of 10,933,491 gpd with 2,126,509 gpd or 16.28% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 245,499 gpd with 1,200 gpd of inoperative flow, for a total committed flow of 246,699 gpd with 17.77% or 53,301 gpd of available capacity. The Pennington Plant presently has 275,070 gpd as the most current 12-month average daily flow, with 18,361 gpd of approved but inoperative flow, for a total committed flow of 293,431 gpd, with 2.19% or 6,569 gpd of available capacity. Mr. Kantorek noted that the inoperative flow total for the Pennington Plant is the unused portion of Bristol-Meyers Squibb approved flow.

Mr. Kantorek noted that a new venturi influent meter has been installed at the River Road WWTP as part of the Headworks Project. The Authority has not officially switched over to using this meter. Staff is still in the process of gathering flow data and once it appears that SBRSA is obtaining good data then that data will be reported to NJDEP in the Discharge Monitoring Reports (DMR). The new influent meter data appears to be approximately 8% or 900,000 gpd higher than the Authority's the current method for measuring the influent flows. This means that River Road WWTP could see a decrease in available capacity by approximately 900,000 gpd.

The Board asked staff if there is an explanation for the increase in flow. Staff responded that it could be as simple as the accuracy of the one meter versus the accuracy of a combination of meters. The new influent meter and the location of the meter was a directive by the NJDEP. The meter has been operating for approximately three (3) months and flow data has been consistently higher.

Following a discussion, the Board recommended that staff further investigate this issue. Staff will complete a full analysis of the flow metering issue and report the findings to the Board.

Monthly Flow Transmittal

The monthly flow transmittal for May was provided for information.

Mr. Kantorek reported that there were several adjustments made for the month.

The meter data for Meter Chamber No. 6 when compared to the Princeton Pump Station is typically 600,000 gpd to 800,000 less than the Princeton Pump Station flow on a daily basis. Review of the meter data for May 1st indicated that the flow from Meter Chamber No. 6 was approximately 5,000,000 gpd less than the flow at the Princeton Pump Station. Review of instantaneous meter data (from the SCADA data) indicated that the meter data was erratic for that day. Therefore the meter data for Meter Chamber No. 6 for May 1st was replaced with a value 700,000 gpd less than the meter data for Princeton Pump Station.

The new influent meter data was compared to the current method of determining the plant influent flow which is the summation of the meter chambers and pumping stations. When these two influent flow numbers were compared for May 1st, there was a larger discrepancy between these two numbers than typically seen for the rest of the month. Once the adjustment was made to the flow for Meter Chamber No. 6, the comparison of the two influent flow numbers was consistent with the remainder of the month.

During the meter verification on May 2nd for Meter Chamber No. 7, the meter was reading high by 0.08%. The meter verification conducted on May 30th indicated that the meter was reading low by 4.34%. Therefore the meter data from May 2nd to May 31st was adjusted upward by 2.13% which is the average of the meter verification conducted on May 2nd and the meter certification conducted on May 30th.

The meter verification conducted on May 2nd at the Pennington STP indicated that the influent meter was reading high by 0.12%. The meter certification conducted on May 30th indicated that the meter was reading low by 4.03%. The meter data from May 2nd through May 30th was adjusted upward by 1.955% which is the average of the meter verification conducted on May 2nd and meter certification conducted on May 30th.

As requested by the Board at the May 19, 2014 Board meeting, staff contacted Pennington Borough to obtain a copy of the sanitary sewer drawings in King George Road and the connection point to the Pennington STP. Discussions with SBRSA Operations staff indicated that during significant storm events the maximum level that they intentionally “back up” the flow in the pretreatment structure is approximately 7 to 8 feet. Based on the elevation of the influent sewer to the pretreatment chamber and the sewers on King George Road, the back up in the pretreatment structure does not exceed the rim elevations of the sewers in King George Road.

Staff will keep the flow in the pretreatment structure at 7 feet so as not to exceed the rim elevations,

510.05 Approval Requests and Actions

TWA-1 Approvals

None.

Time Extensions

None.

NJPDES Endorsements Requested

None.

Water Quality Management Plan Amendments

None.

510.06 Regulatory Report

Discharge Monitoring Report (DMR)

Mr. Rahimi reported that the Discharge Monitoring Reports for the month of April 2014 were submitted to the NJDEP. No violations were reported for all three facilities.

Mr. Rahimi indicated that staff is currently preparing the May DMRs.

Residuals Discharge Monitoring Report (RDMR)

Mr. Rahimi reported that the March 2014 RDMR was submitted. All River Road parameters were compliant with the Authority's Air Permit requirements.

Mr. Rahimi indicated that staff is currently preparing the April RDMR.

Mr. Rahimi noted that the semi-annual Residuals Discharge Monitoring Reports for Hopewell and Pennington were submitted to NJDEP. The results were within the expected ranges for these facilities.

Air Reporting

Mr. Rahimi reported that the annual RATA for the CEMS for all four operating scenarios were completed on June 2nd, 3rd and 4th by Industrial Technical Services Inc.

Mr. Rahimi indicated that the Annual Emission Statement for 2013 was prepared and submitted to NJDEP by KEMS LLC on May 29, 2014. The submission was made utilizing the NJDEP online portal

Laboratory

Mr. Rahimi reported that on June 3, 2014 staff received A NOTICE OF INTENT TO SUSPEND from the NJDEP Office of Quality Assurance (OQA) for failure to submit Proficiency Testing (PT) sample results for Residue - Volatile in the March 2014 Study. A copy of the notice was provided to the Board. In past years the PT samples were ordered through OQA and shipped by ERA, the contracted PT provider. The ERA contract with OQA ended as of December 2013. OQA informed all the participants that they will no longer be involved in the contracting and ordering process of PT samples. The SBRSA laboratory staff ordered the same PT samples that were received in 2013 for the 2014 study directly from ERA. The SBRSA Laboratory was not aware that the EPA DMR Study group included the Residue - Volatile in the 2014 DMR Study which was not required in the past years.

Mr. Rahimi explained that the NJDEP was approved by EPA to be used as a DMR Study facility. The EPA added testing for Volatile Solids. Mr. Rahimi indicated that SBRSA's

wastewater permit does not require testing for Volatile Solids and Volatile Solids are only run due to particulate matter results from the most recent stack test.

Mr. Rahimi explained that as a result of not performing the test, SBRSA failed the Residue - Volatile in the March 2014 study. The make-up PT study for this test is scheduled for September 2014. SBRSA obtained and successfully analyzed a QC sample for this parameter. If SBRSA fails the test in September, then the Laboratory certification for volatile solids would be suspended for six (6) months.

Mr. Rahimi indicated that the Laboratory has obtained a PT sample from a different provider to test the ability of staff to run the PT Study in September.

Mr. Rahimi reported that on June 16, 2014 staff received a letter from the OQA containing the deficiencies found during the on-site audit performed on April 22, 2014. A copy of the letter was provided to the Board. The deficiencies #2 and #3 have been addressed and proper documentation will be forwarded to the OQA. Staff is in the process of preparing a response to deficiency #1 concerning Hopewell and Pennington pH and Chlorine analyses.

Miscellaneous

SBRSA received a letter from National Association of Clean Water Agencies (NACWA) informing us that River Road, Hopewell and Pennington treatment facilities have earned Platinum Peak Performance Award. A copy of the letter was provided to the Board. This is the fourteenth consecutive year for River Road plant and the sixth year for the Hopewell and Pennington plants.

510.07 Safety

Mr. Irizarry reported that there were no loss time accidents/injuries for this reporting period.

Mr. Irizarry noted that as of June 3, 2014 Stony Brook Regional Sewerage Authority has gone 1000 consecutive days without a "Loss Time Accident". A photo of the digital scoreboard that counts the number of days was provided to the Board.

Mr. Irizarry indicated that Stony Brook has received the 2013 Safety Incentive award from the Joint Insurance Fund (JIF) for satisfying the criteria of the Safety Incentive Program and the 2013 Division of Public Safety Award of Merit from the Governor's Occupational Safety and Health Program for 186,497 consecutive hours without a loss time accident or injury. Photos of both awards were provided to the Board.

Mr. Irizarry reported that at the May 19, 2014 Board meeting, the Board Members along with Stony Brook Counsel requested that staff meet with the Princeton First Aid and Rescue Director to discuss rescue operations during flood events. On May 28, 2014 staff met with Princeton First Aid and Rescue to discuss the issue. They strongly advised us not to perform these types of rescues in the future because we are not trained to do so and if personnel were to witness an emergency situation, 911 should be called immediately. A memo was

distributed to all employees informing them of the new policy. A copy of the memo was provided to the Board.

Mr. Irizarry indicated that on May 27, 2014 the Joint Insurance Fund (JIF) conducted an inspection of the River Road Facility. A copy of the report was provided to the Board. All suggestions made by the JIF for improvements have been abated.

Mr. Irizarry reported that on June 3, 2014 the NJDEP conducted an inspection of all three Pump Stations. There were no citations issued.

Mr. Irizarry indicated that on June 17, 2014 staff held its quarterly Safety Meeting. A copy of the minutes was provided to the Board.

Training for this reporting period included:

- Fall Protection Awareness training was provided in-house on May 20th for nine (9) employees.
- Confined Space Awareness training was provided in-house on May 20th for nine (9) employees.
- Personal Protective Equipment was provided in-house on May 20th for nine (9) employees
- Respirator Training with Fit Test was provided by Certified Safety and Health on June 11, 2014 for twenty-nine (29) employees

510.08 Litigation

The Litigation Report was provided for information.

Ms. Alexander indicated that there were changes to the Litigation Report and that they will be discussed during the Construction Report.

510.09 Operations Report

River Road Facility

Mr. Kunert reported that Nitrification settler #3 was taken offline and cleaned. The submerged metal was subsequently sandblasted and painted by an outside contractor. SBRSA is waiting for the arrival and installation of a new turntable and drive.

Mr. Kunert indicated that during the week of June 2nd, the RATA test was performed on both incinerators using the afterburners and the RTO. The preliminary results indicate that the incinerators operated well. Staff is waiting for the final report from Industrial Technical Services (ITS).

Mr. Kunert reported that a leak was discovered at the influent structure at the new headworks facility. Staff made a sump pit next to the structure to capture the wastewater and pumped it into the grit chamber effluent channel. The contractor, Tomar, was on site and excavated around the structure. Apparently there was more than one leak, mainly on the North and West sides of the structure. A few repair techniques were used but there was still seepage. Staff may need to stop flow to the plant during the low flow period so the contractor can enter the structure and seal all four sides from the inside. A hotline call was made to the DEP to inform them of the situation.

Upstream Facilities

Mr. Kunert indicated that staff continues to experiment with the target dissolved oxygen set points to obtain better control of the biological processes at both upstream facilities. The installation of variable frequency drives on the aerators (by SBRSA's instrumentation department) has made this possible. It will take some time to determine the set points to use and the proper time to use them. This is due to the fact that the upstream facilities experience considerable changes throughout the year; mainly flow fluctuations which translates to considerable changes in detention times. The significant changes in water temperatures throughout the year, is another major factor.

Mr. Kunert reported that the water fleas (Daphnia) made their appearance at the Hopewell STP last week which means Pennington is not far behind. Staff is restocking the secondary clarifiers with goldfish which in years past has helped control the flea population.

Odor Report

Staff received no Odor Complaints from our surrounding area during the month of May. Staff received no odor complaints for the partial month of June.

Customer Septage and Sludge Deliveries

The quantity of liquid sludge and sludge cake exceeded their budgeted amounts while the quantity of gray water was below its budgeted amounts for the month of May. Mr. Kunert noted that the Bayshore Regional Sewerage Authority will again be attempting startup of their incinerator in the near future.

510.10 Maintenance Report

Mr. Cespedes reported that on May 12, 2014, the Sludge Station Muffin Monster was taken out of service because of poor performance and replaced with a spare one from inventory. The unit removed was rebuilt and placed back into inventory as a spare. This unit is used to shred debris during liquid sludge deliveries before entering the sludge storage tank.

Mr. Cespedes indicated that on May 15, 2014, the motor on Nitrification Aerator #5 was experiencing excessive noise and vibration and was replaced with a new motor. The motor was sent out for repair and has been placed in inventory as a spare.

Mr. Cespedes reported that on May 20, 2014, SBRSA completed the installation of new sump pumps and a control cabinet at the South Brunswick Pump Station. The original equipment was replaced due to age and poor performance.

Mr. Cespedes indicated that on June 5, 2014, the Ash Hopper Feed Screw was taken out of service because of a bad bearing. Once the repair was completed, the feed screw was returned to service. This screw is used to convey ash from the Incinerator to the Ash Storage Hopper.

Mr. Cespedes reported that on June 6, 2014 Schwing #7, which is used to convey dewatered sludge from Belt Press #3, was taken out of service because one of the feed screws snapped. The screw was removed and sent to Marshall Maintenance for repair. A set of screws has been ordered from Schwing BioSet for inventory and will take approximately six to eight weeks to receive.

The number of open work requests stands at fifteen (15). The Preventive Maintenance graphs show that SBRSA is currently averaging one (1) day overdue and the number of overdue units is approximately fourteen (14).

510.11 Construction Report

Pennington STP Upgrade and Expansion/Upstream Permits

Ms. Pchola reported that the public hearing for the TMDL for phosphorous has been scheduled for July 16, 2014.

Ms. Pchola indicated that Mr. Jim Cosgrove of Kleinfelder attended a stakeholders meeting at NJDEP regarding the nitrate and TDS issues as related to a proposed rule change to the water quality standards. In lieu of designating all water courses as potential drinking water sources, NJDEP proposes a two tier designation for receiving streams. Tier 1 is designated for wastewater dischargers upstream of a water intake and Tier 2 for wastewater dischargers downstream of a water intake. Only dischargers designated as a Tier 1 would have monitoring requirements or possibly effluent limits. All SBRSA facilities would fall under the Tier 1 designation.

TIER 1

Nitrates:

Require water purveyors to sample and monitor nitrate levels monthly at their intake.

- If water intake concentrations are less than 5 mg/l then:
- Minor dischargers – less than 1 mgd (Hopewell and Pennington STPs) would not be required to do anything
- Major dischargers – greater than 1 mgd (River Road STP) would be required to monitor nitrate concentrations quarterly

- If the water intake concentrations are between 5 mg/l and 7.5 mg/l then more frequent monitoring would be required for major dischargers.
- If the water intake concentrations are greater than 7.5 mg/l then:
- Minor dischargers would need to monitor
- Major dischargers would receive water based nitrate limits to maintain 10 mg/l levels at their discharge
- Water purveyors will be required to monitor the nitrate levels at the intake more frequently

Dr. Downey indicated that Kleinfelder has conducted various studies and taken many river samples and that nitrate levels were normally in the 1mg/l to 2 mg/l range with one sample as high as 3.3 mg/l.

Both the River Road WWTP and the Upstream plants are in the Tier I category because they are located upstream of a potable water intake. However, Mr. Kantorek indicated that this is good news for SBRSA. SBRSA would be required to monitor nitrate levels at the River Road WWTP as a major discharger and no additional treatment would be needed for Hopewell and Pennington as minor dischargers. NJDEP anticipates that these proposed rule changes will be noticed in the New Jersey Register by February 2015.

Mr. Kantorek reported that NJDEP has indicated that SBRSA will be receiving the upstream permits shortly and that there will be nitrate and TDS limits in the permit. However NJDEP indicated that the Authority should ask for a stay and an adjudicatory hearing and that they would approve the request for a stay of the nitrate limit.

Total Dissolved Solids (TDS):

- Propose to eliminate the 500 mg/l limit because this is a secondary drinking water standard.
- Propose to use the whole-effluent toxicity (WET) test as a surrogate for TDS.

NJDEP has not yet made a decision regarding limits for arsenic.

Incinerator Improvements

Ms. Pchola reported that staff met with CBE on May 28, 2014 to discuss the draft incinerator/scrubber improvements evaluation report. Based on our meeting, CBE has revised the report dated June 10, 2014. The report addresses two major issues:

- Whether or not our existing incinerators are regulated under Subpart-LLLL emission limits for new/modified/reconstructed incinerators or the Subpart-MMMM emission limits for existing sewage sludge incinerators.
- Modifications required to the existing incinerators to meet the new emission limits and demonstrate compliance by the March 21, 2016 deadline.

A summary of the report's conclusions and recommendations were provided to the Board and were summarized by Ms. Pchola as follows.

As indicated in the report, SBRSA's incinerators are considered existing and therefore subject to the less stringent Subpart-MMMM of the new SSI regulations. Based upon CBE's review of SBRSA's incinerator construction contracts, since no contracts have start dates after September, 21, 2011, the incinerators are still considered "existing," and as long as SBRSA does not perform a "modification," or "reconstruction," they will remain "existing" and will remain regulated under Subpart-MMMM. A unit would be considered modified/reconstructed if the cumulative "modification" costs total more than 50% of the fixed capital cost required to construct an entirely new comparable unit. CBE concluded that SBRSA has a balance of \$3.86 million in 2014 dollars available for incinerator "modifications" before it will transition into Subpart-LLLL.

Modification is defined as any physical change in, or change in the method of operation of an existing facility which increases the amount of any air pollutant (to which the standard applies) emitted into the atmosphere by that facility or which results in the emission of any pollutant (to which a standard applies) into the atmosphere not previously emitted.

The addition or use of any system or device whose primary function is the reduction of air pollutants shall not be considered a modification. .

In their report CBE provided extensive justification and backup for their determination and conclusion that SBRSA will be subject to 40 CFR 60 Subpart MMMM regulations.

It is recommended that SBRSA install a new scrubber to be in compliance with the new emission regulations. The recommended scrubber alternative is the VenturiPak as manufactured by EnviroCare. This manufacturer would provide a performance guarantee to be at or below 75% of the Subpart-MMMM emission limits for SO₂ and HCl. It is anticipated that the new scrubber would also meet the 75% threshold for all other testing parameters. As indicated in the regulations, compliance testing is required annually (current regulations require compliance testing every 5-years). However if a facility can show that they are at or below 75% of the emission limit(s) for two consecutive years, compliance testing frequency can be decreased to every three years.

Ms. Pchola indicated that the capital cost of the VenturiPak is \$3,246,000 with an estimated annual operation and maintenance cost of \$33,400.

CBE provided a project schedule which indicates that if we proceed with the project in the conventional manner (design/advertise/award/construct) that we will not meet the compliance date of March 21, 2016. A copy of the project schedule was provided to the Board. However at the request of staff, CBE provided an alternate project schedule with SBRSA procuring the scrubber prior to bid in order to expedite the construction phase of the project. Based on this alternative the project completion date is in February 2016. It should be noted the project schedule is based on one incinerator in compliance by February 2016.

Dr. Downey indicated that CBE was present at the Construction Committee meeting. The Committee questioned CBE extensively if the VenturiPak was the technology of choice. Based on the timing for this project to be in compliance by March 2016, the construction must be completed by December 2015. The Authority will prepurchase the scrubbers since delivery time is approximately 40 weeks. The cost for the scrubbers is approximately \$1.2 million. Dr. Downey noted that at the July Board meeting, a proprietary resolution will be presented for adoption for the VenturiPak scrubber since EnviroCare is the only manufacturer of the VenturiPak. Dr. Downey noted that a design proposal from CBE will also be presented at the July meeting.

A discussion followed regarding the proprietary equipment, advantages of approving the project and the new rules that are driving this project.

Ms. Pchola explained that based on the recommended alternative staff prepared an evaluation of the sludge business to determine what effect the new facilities would have on the sludge business. Also included in the analysis are the improvements that are required for the ash handling system as a result of the new regulations. Staff prepared a table with the incinerator modifications, the annual net income of the sludge business would be approximately \$700,000. A copy of the table was provided to the Board.

2014 Annual Inspection

Ms. Pchola reported that AECOM will be on site the week of June 17th to conduct the electrical portion of the annual inspection.

Odor Sampling/Evaluation

Ms. Pchola reported that at the request of staff, TRC has submitted a proposal to conduct a two-day odor sampling and evaluation at the River Road Wastewater Treatment Plant. This year we have added the three biofilters for the Headworks Building in addition to the original locations and the 11 Brookline Court location. The cost for this work is \$16,425

Staff recommended approval of Resolution 2014-36, Authorizing the Award of a Contract to TRC for Odor Sampling and Analysis at the River Road STP. So moved by Dr. Downey, seconded by Mr. Compton and passed by a roll call vote of 6 to 0. Resolution 2014-36 follows.

Resolution Authorizing the Award of a Contract to TRC for Odor Sampling and Analysis at the River Road STP

Resolution No. 2014-36

WHEREAS, the Stony Brook Regional Sewerage Authority (SBRSA) has a need for the continuation of odor sampling in the summer of 2014 at River Road STP; and

WHEREAS, the analysis will be used as a comparison to the analysis that was conducted in 2009 through 2013 to determine the odor characteristics at the River Road STP; and

WHEREAS, TRC has conducted this sampling and analysis in 2009 through 2013 and for continuity and consistency of the data TRC should conduct the sampling and analysis in 2014; and

WHEREAS, the qualified purchasing agent, Stuart Neuhof has determined and certified in writing that the value of the work for this contract will not exceed \$17,500; and

WHEREAS, the term of this contract will take place during SBRSA's FY 2014; and,

WHEREAS, TRC has submitted a proposal dated June 4, 2014 indicating they will provide the sampling and analysis for a lump sum fee not to exceed \$16,425 without prior written approval from SBRSA; and

WHEREAS, the Stony Brook Regional Sewerage Authority has Funds available in its current budget.

NOW THEREFORE, BE IT RESOLVED that the Board of the SBRSA authorizes the Chairman to enter into a contract with TRC as described herein.

Recorded Vote:

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

Trace Support

Ms. Pchola indicated that staff requested that Trace Environmental Systems, Inc. provide a proposal for remote support services for the Data Acquisition System for the Incinerators. This is the service support for the Trace reporting software. The data is used to prepare the required Title V reports. The annual cost for the support is \$7,895. A copy of the proposal was provided to the Board.

Staff recommended approval of Resolution 2014-38, Authorizing the Award of a Contract to Trace Environmental for Remote Support for the Data Acquisition System. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 6 to 0. Resolution 2014-38 follows.

Resolution Authorizing the Award of a Contact to Trace Environmental for Remote Support for the Data Acquisition System

Resolution No. 2014-38

WHEREAS, the Stony Brook Regional Sewerage Authority has a need for general advice/support for the DAS software as provided by Trace Environmental Systems, Inc. for a one-year period to ending July 31, 2015; and,

WHEREAS, the extent of this support will only include phone and modem support; and

WHEREAS, Trace Environmental Systems, Inc. has provided a proposal to conduct the system/software support for a lump sum fee of \$7,895; and

WHEREAS, the Stony Brook Regional Sewerage Authority has Funds available in its current budget.

NOW THEREFORE, BE IT RESOLVED that the Board of the Stony Brook Regional Sewerage Authority authorizes the Secretary to enter into a contract with Trace Environmental Systems, Inc. as described herein.

Recorded Vote:

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

Contract 14-1, Facilities Emergency Generator Project

Ms. Pchola reported that AECOM and Kleinfelder continue with the development of the final set of plans and specifications for the project. As discussed with Kleinfelder, the 90% complete contract documents will be submitted to SBRSA for review and comment by the end of June or early July. Upon SBRSA review, the plans will be modified and submitted to NJDEP.

Staff submitted the Socially and Economically Disadvantaged (SED) Utilization Plan to the Office of Equal Opportunity on May 19, 2014 and received approval on May 30, 2014. A copy of the approval letter was provided to the Board.

Contact 14-4, Pump Station Comminutor Project

Ms. Pchola reported that Kleinfelder is continuing with the work on the comminutor design project. Staff requested that Kleinfelder include the replacement of the twelve original slide gates at the Millstone Pump Station. As reported by Operations staff, the gates are extremely difficult to operate and there is the potential that once opened and/or closed staff would not be able to reverse the position. The gates are used to isolate equipment and to direct flow to specific influent channels. The flow at the Millstone Pump Station receives flow from Princeton and West Windsor. With the installation of the new comminutors this is the best time to replace the gates as flow will need to be redirected during this construction making this the most opportune time to install of the slide gates. Kleinfelder has indicated that including the replacement of the slide gates will not impact the design budget.

Contract 10-1, Headworks Project

Ms. Pchola reported that as of Pay Estimate No. 38 this project is 99% complete. During the months of May and June 2014, Tomar completed the relocation of the Septage Receiving Unit and the installation of the new potable water meter chamber located at the Princeton Pump Station.

On May 29, 2014 an Instrumentation technician reported seeing a small sink hole in the area between the Influent Junction Chamber and the Grit Removal Tanks. Staff investigated the area and discovered what appeared to be a leak of raw wastewater. A Hotline call was made to NJDEP. Tomar was notified and arrangements were made to find the source of the leak and make the appropriate repairs.

Tomar and Authority Engineering staff completed dye testing of the two tanks and determined that the leak was originating from the Influent Junction Chamber. The Influent Junction Chamber is a precast concrete structure comprised of five (5) sections. Tomar excavated the soil around three of the four sides of the chamber and discovered several leaks at the joint between the base section of the chamber and the first riser section which was approximately 5-feet below grade. Temporary repairs were made to the joint to stop the leaks.

The manufacturer of the precast chamber was contacted regarding the issue and recommended filling the joint with a sealant. Manufacturers of industrial sealants were contacted and it was decided to fill the joint with oakum that had been soaked in a hydrophilic sealant (Avanti AV-200). Tomar completed the repairs to the joint on three sides of the chamber on June 16, 2014. It took several attempts to find and repair the leaks in the Chamber joint.

The Chamber will be left exposed for several days to verify that all the leaks have been adequately repaired. As a precaution, the fourth side of the Chamber will be sealed.

Contract 13-4, Belt Filter Press Platform Project

Ms. Pchola indicated that the new platforms were received on May 29, 2014. The installation of the platform for Belt Filter Press No. 2 has been completed and the installation of the platform for Belt Filter Press No. 1 is 98% complete.

Nitrification Settling Tank No. 3 Painting Project

Ms. Pchola reported that the sandblasting and recoating of the submerged metals for Nitrification Settling Tank No. 3 has been completed.

Contract 13-5 Nitrification Settling Tank No. 3 Drive Replacement

Ms. Pchola reported that the contractor (Derstine) removed the tank access walkway and has begun the surface preparation and painting of same. The new drive unit is expected to be received the week ending June 20, 2014 and installation will begin upon receipt of the new drive unit.

Contract 14-2 River Road STP Scum Mixer Replacement

Ms. Pchola reported that The Contractor has informed SBRSA that the new mixer is expected to be shipped from the manufacturer on July 30, 2014.

Contract 14-3 Incinerator Bypass Stack Damper Replacement

Ms. Pchola indicated the pre-construction meeting for this project was held on June 17, 2014 and staff is currently awaiting the submittal of the damper, air dryer and additional material shop drawings.

Contract 14-5 SBRSA Facilities Painting Project

Ms. Pchola reported that bids for this project were received and opened on June 18, 2014. Of the four (4) potential bidders, 1 bid was received from JP Smith Contractors, Inc. at a bid price of \$44,500. JP Smith Contractors, Inc. provided all required documentation with their bid. JP Smith contractors, Inc. has successfully completed work for the Authority in the past and therefore staff recommends award of Contract 14-5 SBRSA Facilities Painting Project to JP Smith contractors, Inc. in the amount of \$44,500.

Staff recommended approval of Resolution 2014-39 Authorizing Award of Contract 14-5 Facilities Painting Project to JP Smith Contractors, Inc. So moved by Dr. Downey, seconded by Mr. Patel and passed by a roll call vote of 6 to 0. Resolution 2014-39 follows.

**Resolution Authorizing the Award of Contract 14-5
SBRSA Facilities Painting Project to
JP Smith Contractors, Inc.**

Resolution No. 2014-39

WHEREAS, the Stony Brook Regional Sewerage Authority (Authority) advertised for the receipt of sealed competitive bids in accordance with the requirements of the Local Public Contracts Law, N.J.S.A. 40A:11-1 et seq. for the “SBRSA Facilities Painting Project, Contract 14-5”; and

WHEREAS, sealed competitive bids were received by the Authority on June 18, 2014, as more fully set forth as attached; and

WHEREAS, the Authority received one bid from JP Smith Contractors, Inc. in the amount of \$44,500 and

WHEREAS, the bid received from JP Smith Contractors, Inc. has been reviewed by the Authority and has been determined to be in compliance with the bid specifications and in accordance with the Local Public Contracts Law N.J.S.A. 40A:11-1 et seq.; and

WHEREAS the Stony Brook Regional Sewerage Authority has Funds available in its current capital budget.

NOW, THEREFORE, BE IT RESOLVED by the Stony Brook Regional Sewerage Authority that it hereby awards the contract to JP Smith Contractors, Inc., the lowest responsive bidder; for the SBRSA Facilities Painting Project, Contract 14-5 in the amount of \$44,500 and

BE IT FUTHER RESOLVED that the Executive Director, staff and consultants are authorized to take all appropriate measures to ensure that all appropriate documents, are provided by the Contractor.

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

**STONY BROOK REGIONAL SEWERAGE AUTHORITY
CONTRACT 14-5 SBRSA FACILITIES PAINTING PROJECT
BID SUMMARY**

<i>Bidder</i>	<i>Bid Amount</i>
JP Smith Contractors, Inc. 120 South Easton Road Glenside, PA 19038	\$44,500
Alpine Painting & Sandblasting Contractors 17 Florida Avenue Paterson, NJ 07503	No Bid
Allied Painting, Inc. 4 Larwin Road	No Bid

Cherry Hill, NJ 08034	
Nuco Painting 8 Oval Drive Islandia, NY 11749-1403	No Bid

Process Control/SCADA

Ms. Pchola reported that staff has begun the installation of new video surveillance cameras for the two Upstream facilities. The new camera will allow personnel at the River Road Plant to monitor access to the Hopewell STP and Pennington STP.

510.12 Finance Report

Payment of Bills and Claims

Mr. Morehouse moved the approval of Resolution 2014-33, for the payment of bills and claims in the amount of \$1,210,665.05 with two signatures instead of three, seconded by Dr. Downey and passed by a roll call vote of 6 to 0. Resolution 2014-33 follows.

Resolution Regarding Payment of Bills and Claims

Resolution No. 2014-33

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 \$1,210,665.05 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. Neuhof reported that net income for the six-month period ending May 31, 2014 is \$706,547. This represents an increase of \$185,026 over the prior period. The Authority has total cash and investments of \$20,236,913 at an average interest rate of 0.16%. The current

construction projects balance is \$12,794,084. Mr. Neuhof noted there are sufficient funds for these projects. The outstanding bond principal stands at \$23,069,127. The New Jersey Cash Management Fund yield is 0.06%.

Annual Audit

Mr. Neuhof explained the WithumSmith+Brown, PC submitted a proposal to conduct the 2014 audit at a fee of \$17,500. This is a 2.9% increase over the fee from 2013.

Mr. Goldfarb indicated that as a matter of good policy the Authority should seek competitive proposals. Mr. Neuhof responded that the Authority policy is to receive proposals and change auditors every five (5) years. This will be year two for WithumSmith+Brown performing the audit.

Mr. Neuhof recommended approval of Resolution 2014-34 Awarding a Professional Service Contract to perform the 2014 annual audit to WithumSmith+Brown, PC at a fee not to exceed \$17,500 without prior authorization. So moved by Mr. Morehouse, seconded by Ms. Patel and passed by a roll call vote of 6 to 0. Resolution 2014-34 follows.

Resolution Awarding a Professional Service Contract To perform the 2014 Annual Audit

Resolution No. 2014-34

WHEREAS, N.J.S.A. 40A:5A-15 requires the governing body of each local authority to cause an annual audit of its accounts to be made, and

WHEREAS, the Stony Brook Regional Sewerage Authority “SBRSA” is in need of auditing services to be performed on the Financial Statements of the Authority for the fiscal year ending November 30, 2014; and

WHEREAS, WithumSmith+Brown, PC has submitted a proposal indicating they will provide auditing services to the Stony Brook Regional Sewerage Authority for the year ending November 30, 2014 for a fee of \$17,500; and

WHEREAS, the services to be rendered are to be performed by persons authorized by law to practice a recognized profession within the definition of a professional service pursuant to N.J.S.A. 40A:11-5; and

WHEREAS, the Stony Brook Regional Sewerage Authority has Funds available in its current operating budget.

NOW THEREFORE, BE IT RESOLVED by the Stony Brook Regional Sewerage Authority as follows:

1. That the Chairman is hereby authorized to execute a professional services agreement between WithumSmith+Brown, PC and the Stony Brook Regional Sewerage Authority,

for the performance of the 2014 audit for the year ending November 30, 2014, as described herein, in an amount not to exceed \$17,500.00 without further authorization.

2. Notice of the within action shall be provided in accordance with N.J.S.A. 40A:11-5(1) (a) (i).
3. This Resolution shall take effect immediately.

Recorded Vote:

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

Purchase of a Pickup Truck

Mr. Neuhof indicated that the Authority is seeking to purchase two trucks. One truck was included in the 2014 Budget. Because of the Authority's bottom line and the need for another truck, staff recommended replacing a second truck now instead of including two trucks in the 2015 Budget. The two new trucks will replace a 1994 Dodge Pickup truck and a 1999 Ford Ranger. The Authority has a fleet of eighteen trucks.

Mr. Kantorek explained that for many years the trucks had not been replaced. Over the past several years, the Authority has been replacing trucks based on age, condition and mileage.

Staff recommended approval of Resolution 2014-35, Authorizing a Contract with Approved State Vendor for the Purchase of a Pickup Truck. So moved by Mr. Morehouse, seconded by Dr. Downey and passed by a roll call vote of 6 to 0. Resolution 2014-35 follows.

**RESOLUTION AUTHORIZING CONTRACT WITH APPROVED STATE
CONTRACT VENDOR FOR THE PURCHASE OF A PICKUP TRUCK
PURSUANT TO N.J.S.A. 40A:11-12a**

Resolution No. 2014-35

Whereas, the Stony Brook Regional Sewerage Authority, pursuant to N.J.S.A. 40A:11-12a and N.J.A.C. 5:34-7.29(c), may by resolution and without advertising for bids, purchase any goods or services under the State of New Jersey Cooperative Purchasing Program for any State contracts entered into on behalf of the State by the Division of Purchase and Property in the Department of the Treasury; and

Whereas, the Stony Brook Regional Sewerage Authority has the need on a timely basis to purchase goods or services utilizing State contracts; and

Whereas, the Stony Brook Regional Sewerage Authority intends to enter into a contract with Winner Ford of Cherry Hill for the purchase of a Ford F-150 4x4 Ext. Cab pickup truck in the amount of \$21,865.00 (plus the cost of accessories that will add approximately \$2,500.00 to the cost) and shall be subject to all the conditions applicable to the current State contract number T2099;

Now, Therefore, Be It Resolved, that the Stony Brook Regional Sewerage Authority authorizes the Purchasing Agent to purchase the above referenced vehicle, pursuant to all conditions of the State contract; and

Be It Further Resolved, that the governing body of the Stony Brook Regional Sewerage Authority pursuant to N.J.A.C. 5:30-5.5(b), the certification of available funds, shall either certify the full maximum amount against the budget at the time the contract is awarded, or no contract amount shall be chargeable or certified until such time as the goods or services are ordered or otherwise called for prior to placing the order, and a certification of availability of funds is made by the Chief Finance Officer; and

Be It Further Resolved, that the duration of this contract between the Stony Brook Regional Sewerage Authority and the Referenced State Contract Vendor shall be from December 01, 2013 to November 30, 2014

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

Monthly Sludge Business Analysis

Mr. Neuhof reported that net income for the month of May is \$152,507 and the cumulative net income is \$859,193. Gas usage for the month of May was 104,642 therms. The remaining simple payback for the RTO project is 2.7 years.

510.13 Personnel Report

The Personnel Report was provided for member information.

Mr. Kantorek noted that Dennis Coleman has been on a leave of absence and is expected to return to work the beginning of August.

510.14 Correspondence

For information

Mr. Kantorek indicated that Blending has been discussed by the EPA for many years. There is a possibility that in the future EPA may disallow blending or perhaps require more treatment prior to blending. The River Road WWTP biological capacity can accommodate approximately 35 mgd. Flows greater than 35 mgd can washout the plant biological process. The Authority uses its blending line once or maybe twice a year.

A brief discussion followed.

510.15 Old Business

None.

510.16 New Business

Mr. Kunert reported that sealed bids for the Hauling of Grit and Screenings were received on June 11, 2014. For bid comparison purposes, the vendors were told to assume an annual quantity of 40 filled containers with each container holding 20 cubic yards and estimated to weigh on average 13 tons. The total price is the combination of the Tipping Fee plus the Hauling Fee. Two bids were received and the results are as follows:

	<u>Tipping Fee</u>	<u>Hauling Fee</u>	<u>Total Price</u>
Gary W. Gray Trucking	\$36,400.00	\$24,000.00	\$60,400.00
Russell Reid	\$31,200.00	\$27,480.00	\$58,680.00

Mr. Kunert reiterated that staff assumed a total of 40 containers for the 12 month duration of this contract. Last year it assumed 50 containers. The new Headworks Building is now on line and staff is getting a feel for how much rag material is removed. However, modifications still need to be made to the grit removal system by adding VFD's to the blowers and classifiers before a better estimate of the amount of grit that will be removed can be obtained. The number of containers in future bids may be adjusted once this information is ascertained

Mr. Kunert recommended approval of Resolution 2014-37 Awarding a Contract for the Hauling and Disposal of Grit and Screenings to the low bidder, Russell Reid for a one-year contract. So moved by Dr. Downey, seconded by Mr. Patel and passed by a roll call vote of 6 to 0. Resolution 2014-37 follows.

RESOLUTION AWARDING CONTRACT FOR THE HAULING AND DISPOSAL OF GRIT AND SCREENINGS

Resolution No. 2014- 37

WHEREAS, the Authority advertised for the receipt of sealed competitive bids in accordance with the requirements of the Local Public Contracts Law, N.J.S.A. 40A:11-1 et seq. for the hauling and disposal of grit and screenings; and

WHEREAS, the following sealed competitive bids were received by the Authority on June 11, 2014, as more fully set forth in the attached Bid Tabulation Sheet:

	Tipping Fee	Hauling Fee	Total Price
Gary W Gray Trucking	\$36,400.00	\$24,000.00	\$60,400.00
Russell Reid	\$31,200.00	\$27,480.00	\$58,680.00

WHEREAS, the Authority has determined that the bid of Russell Reid is the lowest bid; and

WHEREAS, the bidder, Russell Reid submitted a bid in the amount of \$58,680.00 for the one year bid; and

WHEREAS, the bid has been reviewed by the Authority to determine compliance with the bid specifications in accordance with the Local Public Contracts Law N.J.S.A. 40A:11-1 et. seq. and the same have been determined to be in order; and

WHEREAS, there are sufficient funds to provide funding for the contract amount.

NOW, THEREFORE, BE IT RESOLVED by the Stony Brook Regional Sewerage Authority that it hereby awards a one year contract for the Hauling and Disposal of Grit and Screenings to Russell Reid, the lowest responsive bidder; and

BE IT FUTHER RESOLVED that the Executive Director, staff and consultants are authorized to take all appropriate measures to ensure that all appropriate documents, are provided by the Contractor.

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

Cell Phone Tower Hopewell Township

Dr. Downey explained that at the June meeting of Hopewell Township Board of Zoning Adjustment a cell phone company proposed to put up a cell phone tower at the at the organic farm. There was tremendous public opposition to the cell tower on the organic farm. The Board asked the cell phone company if they had contacted Bristol-Meyers Squibb (BMS) and/or SBRSA. The company said they had approached both BMS and SBRSA and were denied by them.

Dr. Downey indicated that she received a call from someone on the Zoning Board asking if SBRSA had denied the placement of the cell phone tower at the Pennington STP. Dr. Downey contacted Mr. Kantorek who indicated that the last time someone approached the Authority regarding a cell phone tower on our property was in 2009. However, the company and SBRSA could not come to an agreement. No one has contacted the Authority recently.

Mr. Kantorek indicated that there is no policy for denying a cell phone tower on its property and if approached SBRSA would entertain offers.

510.17 Open to the Public

None.

510.18 And such other issues as may come before the Board

None.

510.19 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 9:05 p.m. on a motion by Dr. Downey, seconded by Mr. Compton and passed by unanimous vote.

Respectfully Submitted,

John Kantorek
Secretary

Written by
Patricia Carlino
June 30, 2014