

Minutes of Meeting #547, July 24, 2017 – Stony Brook Regional Sewerage Authority

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

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

MEMBERS ABSENT: Downey

CONSULTANTS: Alexander

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

547.01 Chairman Bartolini stated 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.

547.02 Approval of Minutes

The minutes from the June 26, 2017 Board meeting were approved as presented on a motion by Mr. Compton, seconded by Mr. Patel and passed by a vote of 5 to 0.

547.03 Board Related Activities

Consultant List

The consultant list was provided for information. Mr. Kantorek indicated that three contracts are pending award tonight. The contracts will be discussed in the Construction section of the meeting.

547.04 Planning and Administration

Mr. Kantorek indicated that staff is using the influent meter data (7 months thus far) to calculate the 12-month average daily flow for the River Road WWTP. The influent meter will also be used when calculating total committed flow and available capacity. The existing meter data will still be used for billing participants as we have used it in the past.

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 9,224,730 gpd with 918,242 gpd of approved but inoperative flow for a total committed flow of 10,142,972 gpd with 2,917,028 gpd or 22.34% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 219,728 gpd with 300 gpd of inoperative flow, for a total committed flow of 220,028 gpd with 26.66% or 79,972 gpd of available capacity. The Pennington Plant presently has 241,283 gpd as the most current

12-month average daily flow, with 29,385 gpd of approved but inoperative flow, for a total committed flow of 270,668 gpd, with 9.78% or 29,332 gpd of available capacity. Mr. Kantorek noted that the inoperative flow total for the Pennington Plant is the unused portion of Bristol-Meyers Squibb (BMS) approved flow and the approved portion of the Heritage at Pennington project.

Mr. Kantorek stated that staff met with several representatives from Pennington Borough. At that meeting, a discussion regarding the Tree Streets in Hopewell Township took place; particularly one property with a failing septic system. Mr. Kantorek explained at the meeting that SBRSA is in the design phase of the upgrade and expansion of the Pennington STP with completion in approximately two years. Mr. Kantorek noted that SBRSA would not be able to service all the Tree Streets until the completion of the plant expansion. It was noted that no decision was made at the meeting.

Mr. Goldfarb asked if Pennington Borough could decide to accept the flows from the Tree Streets without coming before the SBRSA Board. Mr. Kantorek indicated that Pennington Borough would approve the planning aspect but that it would come to SBRSA as a Treatment Works Approval (TWA) application. The flow that Hopewell Township would need in total for the Tree Streets is approximately 18,000 gpd. If SBRSA were to sign an Agreement directly with Hopewell Township, SBRSA would need the approval of two-thirds of the member communities as stated in our Service Contract. If Hopewell Township were to go through Pennington Borough, then only the approval of the SBRSA Board would be needed. Mr. Kantorek noted that a TWA request would only come to SBRSA if the request is for 2,000 gpd or more or if there is an extension of the sewer.

#### Monthly Flow Transmittal

Mr. Kantorek reported the meter certifications indicated that all the meters were within  $\pm 5\%$  and no adjustments were made for the month of May

### 547.05 Approval Requests and Actions

#### TWA-1 Approvals

#### **900 Herrontown Road Office Building Block 901, Lot 21, Princeton**

Ms. Pchola explained that this project is for the construction of a 25,000-square foot (sf) office building and connection to an existing lateral that connects to the existing sanitary sewer. The site was originally a kennel with several buildings that are “dilapidated and no longer useable”.

25,000 sf office building	0.1 gpd/sf	2,500 gpd
	Total Flow	2,500 gpd

Ms. Pchola indicated that this project has received from Princeton Preliminary and Final Site Plan approval. The TWA application has been endorsed by the Municipal Engineer and the Princeton Sewer Operating Committee (PSOC).

Staff recommended approval of this application for the requested flow of 2,500 gpd. So moved by Mr. Goldfarb, seconded by Mr. Patel and passed by a vote of 5 to 0.

Time Extensions

None

NJPDES Applications

None.

Water Quality Management Plan Amendments

Ms. Pchola stated that the Amendment to the Lower Raritan/Middlesex County Water Quality Management Plan for the Stanton Girard project has been formally adopted by the New Jersey Department of Environmental Protection (NJDEP) as indicated in a letter from NJDEP dated June 29, 2017. A copy of the letter was provided to the Board.

Allocated Flow Update

Ms. Pchola noted the allocated flow figures were updated to include additional flows as follows:

Village Road West, West Windsor Township: 300 gpd

Riverview Residential Princeton Healthcare Campus, Plainsboro Township: 57,975 gpd

547.06 Regulatory Report

Discharge Monitoring Report (DMR)

Mr. Rahimi reported that staff is currently reviewing the Discharge Monitoring Reports for June 2017.

Mr. Rahimi indicated that the River Road Semi-annual Effluent Surface Water Discharge Waste Characterization Report was submitted to NJDEP for the period January 1, 2017 to June 30, 2017. This report provides data for a select list of six priority pollutants which have been historically detected in the plant's effluent.

Mr. Rahimi stated that the River Road Annual Effluent Surface Water Discharge Waste Characterization Report was submitted to the NJDEP for the period ending June 30, 2017.

Mr. Rahimi reported that on June 26, 2017 staff received a Notice of Violation (NOV) from NJDEP. The NOV indicated noncompliance for failure to utilize analytical methods that ensure compliance with the Quantitation Levels (QLs) listed in SBRSA's permit regarding the Chlorine Produced Oxidants (CPO) parameter. SBRSA staff, council and Kleinfelder have prepared a response to the NOV. A copy of the NOV and SBRSA's response were provided to the Board.

Ms. Alexander stated the NOV that SBRSA received was for the parameter that has been appealed in the River Road WWTP discharge permit. The new draft permit does not have a Required Quantitation Level (RQL) therefore the NJDEP Bureau of Water Compliance and Enforcement is alleging that SBRSA must meet methodology that would achieve a 0.01 mg/L or better reading.

Ms. Alexander indicated that SBRSA provided a detailed response to the NOV. SBRSA's overall response basically is as follows:

- SBRSA's permit does not have an RQL specified for Chlorine Produced Oxidants (CPO).
- Through the Adjudicatory Hearing and Stay Request submitted to NJDEP after the existing permit was issued, SBRSA made it very clear that it could not comply with RQLs near the CPO effluent limits.
- SBRSA has diligently worked with NJDEP and equipment manufacturers to find a way to achieve low detections but has been unsuccessful.
- NJDEP agreed to establish RQLs for all parameters and provide them to permittees, however they have not yet been provided.
- SBRSA should not be penalized for violating a non-existent RQL, particularly given the level of effort it has put forth on this issue.

A lengthy discussion followed. Topics discussed were: the number of other Authorities that have experienced similar NOV's; the current method/factors versus the appropriate factor for calculating the reporting limit; and the dollar amount associated with the fine for the violation.

After the discussion, Chairman Bartolini stated that the Authority needs to take a proactive stance to stop any future violations for this parameter. Ms. Alexander indicated that she will file a motion for a stay.

#### Residuals Discharge Monitoring Report (RDMR)

Mr. Rahimi reported that the April 2017 Residuals Discharge Monitoring Reports were submitted to the NJDEP. All River Road parameters were compliant with the Air Permit requirements.

Mr. Rahimi indicated that staff is currently preparing the May 2017 RDMR.

## Air Reporting

Mr. Rahimi stated that the staff is currently reviewing the 2nd quarter 2017 Excess Emissions and Monitoring Performance Report.

Mr. Rahimi reported that staff is currently reviewing the federal 40 CFR 60 Subpart O Semi-annual Report for the incinerators.

Mr. Rahimi indicated that staff is in the process of preparing the Semi-annual Title V Compliance Report.

Mr. Rahimi reported that on May 24, 2017, our NJDEP Air Enforcement Officer Carl Viviani conducted a site visit of our facility. As a follow-up to that visit, on June 21, 2017 Mr. Viviani requested a list of records to complete his review. Staff met with Mr. Viviani in early July and provided all documentation requested. Staff received a request for additional information on July 19, 2017 and staff is in the process of compiling that data.

Mr. Rahimi noted that the following affirmative defenses were submitted to NJDEP during this reporting period:

- On June 1, 2017 at 15:34 while operating Incinerator No. 1 with the RTO (OS27) the belt broke on the air compressor that supplies air to the actuators for the RTO/WESP. As a result, sludge feed stopped and the valve that directs the incinerator exhaust to the RTO closed and the valve to the Afterburner (AB) opened. The AB was below 1500 deg. F while there was sludge combustion in the incinerator.
- On June 20, 2017 at 14:05 while operating Incinerator No. 1 with the RTO (OS27) we lost power to the scrubber pump skid which caused the incinerator to go into a controlled burnout (i.e. sludge feed stopped, ID fan shut off, bypass damper opened, etc.). At 14:09 the burners to the incinerator shut off and the valve to the afterburner opened and the valve to the RTO closed. At 14:24 the bypass damper closed with the valve to the afterburner open. There was air flow through the afterburner from 14:24 to 14:26 with the afterburner below 1500 deg. F. The valve to the afterburner closed and the valve to the RTO opened at 14:26 with the RTO above 1500 deg. F. The incinerator burners were re-lit at 14:32 and sludge feed resumed at 15:25.

## Laboratory

Mr. Rahimi indicated that NJDEP Office of Quality Assurance (OQA) has validated the 2017 Proficiency Test Study results for all three facilities. Copies of the letters from the NJDEP were provided to the Board.

#### 547.07 Safety

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

Mr. Irizarry noted that as of July 19, 2017, Stony Brook Regional Sewerage Authority has gone 378 consecutive days without a “Lost Time Accident”.

Mr. Irizarry indicated that staff has continued mitigating the “priority one” punch list items from the 2017 Kleinfelder annual inspection report. Mr. Irizarry noted that a detailed report will be presented at the August Board meeting.

Mr. Irizarry reported that on June 23, 2017 the annual fire alarm inspection was conducted by Red Hawk Fire and Security. Staff is waiting for the report.

Mr. Irizarry indicated that on June 28, 2017, the Joint Insurance Fund (JIF) was on-site to perform a review of our safety program. A copy of the report was provided to the Board.

Mr. Irizarry stated that on July 7, 2017, staff submitted the 2016 Right-to-Know survey to the New Jersey Department of Health.

Mr. Irizarry reported that the annual inspection of the hoist and cranes commenced on July 17, 2017 and was completed on July 20, 2017.

Mr. Irizarry indicated that on July 18, 2017, Carlin Chimney conducted a sweep and inspection of the chimney in the Operations Building at the River Road facility. A copy of the report was provided to the Board.

Mr. Irizarry explained that there are ten (10) catch basins at the River Road facility that need repair along with some roadway patch work throughout the plant site. Staff is in the process of obtaining quotes for those repairs.

Training for this reporting period included:

- Workplace Safety training was provided to our new employee in-house on July 14, 2017.
- Respirator training with fit test was provided for thirty-two (32) employees by Certified Safety and Health on July 19, 2017.

#### 547.08 Litigation

The Litigation Report was provided for information. Ms. Alexander noted that no changes were made to the Litigation Report.

## 547.09 Operations Report

### River Road Facility

Mr. Kunert reported that the Operations and Maintenance Departments received training from Iron Hills Construction Company for the new center shaft drive that was installed on Incinerator No. 2.

Mr. Kunert indicated that on June 30, 2017 a rabble arm on hearth No. 4, Incinerator No. 1, broke off the center shaft. Staff obtained two quotes to have this emergency repair completed. The scope of work included de-slagging hearths No. 3 and No. 4, removing the broken arm and replacing it with a new arm (supplied by the Authority), and insulating the newly installed arm. The lowest quote was submitted by Industrial Furnace Company (IFCO). IFCO was on-site on July 3, 2017 to perform the repairs. While performing the required repairs, they noticed that a rabble arm on hearth No. 3 was sagging approximately three (3) inches and recommended that it be replaced as well. Management checked the rabble arm and concurred with their recommendation. Fortunately, there were two spare arms in SBRSA's inventory. After the discovery of the arm on hearth No. 3 staff needed to come up with a new plan since IFCO could not replace both arms in one day. The following day was the 4th of July and SBRSA had a crew of five staff members on site. After discussing the situation with IFCO's office in Rochester, it was decided that they would go back to Rochester with the two new uninsulated arms, insulate them and return to SBRSA on July 5, 2017 with a crew of two men to install the arms. SBRSA staff assisted IFCO with the manpower necessary to get the arms onto the hearth level and to spot them when they were in the Incinerator. The initial quote was for \$8,925.00. With the replacement of the additional arm on hearth No. 3, the final cost was \$13,771.00.

Mr. Kunert reported that on July 7, 2017 staff shut down the plant for approximately ninety (90) minutes in order for work to be conducted in the electrical sub-station as part of the emergency generator project.

Mr. Kunert indicated that due to the emergency Incinerator repairs and the necessary plant shutdown for the generator project, no sludge deliveries were received from June 30, 2017 through July 9, 2017. SBRSA resumed the normal schedule of receiving liquid sludge and dewatered sludge on July 10, 2017.

Mr. Kunert explained that on the evening of July 14, 2017, thunderstorms caused power outages. The Millstone Pump Station was on generator power for approximately twenty-four (24) hours.

### Upstream Facilities

Mr. Kunert reported that water fleas are in the secondary clarifiers at the Hopewell STP. The clarifiers at both Upstream Facilities were stocked with goldfish to help keep the flea population in check.

## Odor Report

Mr. Kunert reported that staff received two Odor Complaints during the month of June and two odor complaints during the partial month of July. One of the two complaints in June came from the Kingston area. The thought is that a sludge cake truck was stopped at a red light and created the odor. The full July number will be reported at the August Board meeting.

## Customer Septage and Sludge Deliveries

The quantity of sludge cake and liquid sludge exceeded their budgeted amounts for the month of June while gray water was below its budgeted amount. Mr. Kunert indicated that Somerset Raritan Valley Sewerage Authority stopped bringing sludge cake to the Authority. Mr. Kunert noted that although liquid sludge and sludge cake exceeded the budgeted amounts, totals were down slightly due to non-receipt of sludge for a ten-day period.

## 547.10 Maintenance

Mr. Ireland reported that Thickened Sludge Pump No. 4 was removed from service on June 29, 2017 due to poor performance. Upon inspection, it was found that the rotor and stator were badly worn. A new rotor and stator from inventory were installed along with lubricating the connecting rod. Once the pump was reassembled it was tested and restored to service.

Mr. Ireland indicated that during a heavy rain storm, the Operations Building main roof was reported leaking into the MCC room adjacent to the Belt Press Room. The electrical panels were temporarily covered until the source of the leak could be found. On July 5, 2017 Champion Roofing was on site to inspect the roof and found multiple cracks and openings located around a roof drain. A roof sealant was applied and there have been no reported leaks to date.

Mr. Ireland explained that Backwash Pump No. 3 failed on a variable frequency drive fault while in operation on July 10, 2017. It was discovered that the pump had a seized bearing. The pump was removed and rebuilt with new bearings. In addition, the mechanical seal was cleaned and reinstalled. The pump was tested and placed back into service.

Mr. Ireland noted that the current monthly open work requests stand at twenty (20). The preventative maintenance graphs show that SBRSA is currently averaging two (2) days overdue and the number of overdue units is approximately twenty-four (24).



547.11 Construction Report

Phosphorous Impact Modeling Study

Ms. Pchola reported that staff, Somerset Raritan Valley Sewerage Authority (SRVSA), Montgomery Township, and Kleinfelder met with NJDEP on June 28, 2017. At that meeting, Kleinfelder gave a presentation on the report findings. A copy of the presentation was provided to the Board. NJDEP will conduct a detailed review of the report and provide Kleinfelder with their comments.

Ms. Pchola indicated that Kleinfelder has requested an amendment to their “No Political Contributions Allowed” contract for the phosphorous impact modeling study to address questions and assist NJDEP in their review of the modeling report and its findings. A copy of the amendment request was provided to the Board. Kleinfelder has requested an amendment in the total amount of \$15,000 which will be apportioned to SRVSA, SBRSA and Montgomery Township. SBRSA’s portion of this amendment is \$5,250 for a SBRSA total contract amount of \$68,145.

Staff recommended approval of the amendment to finalize the phosphorous TMDL and potentially eliminate a phosphorus limit for the River Road WWTP in the amount of \$5,280 through Resolution 2017-48. SBRSA’s approval is contingent upon approval by SRVSA and Montgomery. The contract is a time charge account. So moved by Mr. Patel, seconded by Mr. Compton and passed by a roll call vote of 5 to 0. Resolution 2017-48 follows.

**Resolution Authorizing the Award of Amendment No. 1 to the “No Political Contributions Allowed” Contract for the Phosphorus Impact Modeling Study in the Lower Millstone/Mainstem Raritan Watershed to Kleinfelder**

**Resolution No. 2017-48**

**WHEREAS**, the Stony Brook Regional Sewerage Authority (SBRSA), Somerset Raritan Valley Sewerage Authority (SRVSA) and Montgomery Township entered into an agreement with Kleinfelder on March 28, 2016 to conduct a modeling study to determine if phosphorus is causing deleterious nutrient impact on the non-tidal segment of the Raritan River or if stringent phosphorus limits would alleviate such impacts as a contract that does not allow for political contributions to the Authority or its members (“No Political Contributions Allowed” contract) pursuant to the provisions of N.J.S.A. 19:44A-20.4 et seq.; and

**WHEREAS**, it was agreed that the study in the amount of \$179,700 would be apportioned to all three entities: 62% to SRVSA, 35% to SBRSA and 3% to Montgomery Township; and

**WHEREAS**, the Assistant Finance Officer Ms. Diane Redding has determined and certified in writing that the value of the work for this contract will exceed \$17,500 and

**WHEREAS**, SBRSA's portion of the study was \$62,895 and approved at the March 28, 2016 Board meeting and as set forth in Resolution 2016-24; and

**WHEREAS**, Kleinfelder completed the Phosphorus Impact Modeling Study and presented the findings to the New Jersey Department of Environmental Protection (NJDEP); and

**WHEREAS**, the entire budget for the project has been expended; and

**WHEREAS**, Kleinfelder has submitted an amendment request (Amendment No. 1) dated July 18, 2017 to provide NJDEP with additional information, address NJDEP's questions, and assist NJDEP in their review of the results of the modeling study for the Lower Millstone/Mainstem Raritan Watershed Phosphorus TMDL Study, and

**WHEREAS**, the Amendment request to the contract is in the amount of \$15,000; and

**WHEREAS**, Kleinfelder recommends that the cost to conduct this additional work be shared between SBRSA, SRVSA and Montgomery Township as previously allocated based on their permitted discharge; and

**WHEREAS**, SBRSA's portion for this amendment is \$5,280 resulting in a total SBRSA contract amount of \$68,145; and

**WHEREAS**, approval of this amendment is contingent upon approval by SRVSA and Montgomery Township; and

**WHEREAS**, the term of this amendment request/contract will take place during SBRSA's FY 2017; and

**WHEREAS**, Kleinfelder has completed and submitted a Business Entity Disclosure Certification for FY 2017 which certifies that Kleinfelder has not made any reportable contributions to a municipal political party committee of a governing body that appoints members to the Stony Brook Regional Sewerage Authority including Princeton, South Brunswick Township, West Windsor Township, Hopewell Borough, Hopewell Township and Pennington Borough in the previous one year, and that the contract will prohibit Kleinfelder, from making any reportable contributions through the term of the contract, and

**WHEREAS**, the funds for this study are available in unrestricted retained earnings.

**NOW THEREFORE, BE IT RESOLVED** that the Board of the SBRSA authorizes the Chairman to enter into a contract with Kleinfelder as described herein; and,

**BE IT FURTHER RESOLVED** that the Business Disclosure Entity Certification and the Determination of Value be placed on file with this resolution.

Recorded Vote:

	AYE	NO	ABSTAIN	ABSENT
Robert A. Bartolini	X			
Harry R. Compton	X			
Gale D. Downey				X
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel	X			

### 2017 Annual Inspection

Ms. Pchola indicated that Kleinfelder submitted the draft 2017 Annual Inspection Report on June 23, 2017.

Mr. Goldfarb indicated that he would like to see a copy of that report for the next Board meeting.

### Information Technology Management Services

Ms. Pchola reported that EMA was on-site on July 10<sup>th</sup> through the 13<sup>th</sup> and met with our IT Department and management staff. This will be discussed in the IT Section of this report.

### Millstone Force Main Condition Assessment

Ms. Pchola stated that staff received the draft report from Pure Technologies on June 23, 2017. Staff provided comments to Pure on July 7th. As discussed at last month's Board meeting, there are seven pipe sections with prestressed wire wrap breaks ranging in number from five (5) to thirty-five (35). As a reference, there are thirteen (13) wire wraps per foot in the thirty-six (36)-inch diameter pipe and a typical pipe section length is twenty (20) feet.

Ms. Pchola indicated that staff requested Pure to provide a proposal for a risk analysis assessment on the 36-inch and the 42-inch pipe. Pure provided a proposal to conduct the analysis at a lump sum cost of \$18,000 (\$9,000 per analysis). A copy of the proposal was provided to the Board.

Staff recommended approval of Resolution 2017-45, Authorizing the Award of Amendment No. 1 to the "No Political Contributions Allowed" Contract for Inspection Services Related to the Condition Assessment of the Millstone Force Main for a Risk Assessment Analysis to Pure Technologies in the amount of \$18,000. So moved by Mr. Patel, seconded by Mr. Compton.

Mr. Goldfarb asked if the seven sections of pipe are all on the 36-inch pipe. Ms. Pchola indicated that there are three (3) sections on the 36-inch pipe and four (4) sections on the 42-inch pipe. Mr. Goldfarb asked what the Risk Analysis by Pure Technologies will entail. Ms. Pchola indicated that Pure Technology will look at the number of wire breaks on each of the pipes and determine what the risk is of a pipe failure.

The Resolution was then passed by a roll call vote of 5 to 0. Resolution 2017-48 follows.

**Resolution Authorizing the Award of Amendment No. 1 to the “No Political Contributions Allowed” Contract for Inspection Services Related to the Condition Assessment of the Millstone Force Main for a Risk Assessment Analysis to Pure Technologies**

**Resolution No. 2017-45**

**WHEREAS**, the Stony Brook Regional Sewerage Authority entered into a contract with Pure Technologies on July 25, 2016 to conduct a condition assessment of the Millstone Force Main in the lump sum amount of \$355,000 with optional additional services for “Failure Risk Analysis” at \$9,000 per analysis should the result of the inspection deem necessary; and

**WHEREAS**, during the condition assessment seven (7) sections of pipeline were identified as having prestressing wire wrap breaks as outlined in a report prepared by Pure Technologies; and

**WHEREAS**, the Millstone Force Main prestressed concrete cylinder pipe (PCCP) was manufactured by Interpace with the specific class of prestressing wire that has had structural failures throughout the country resulting in major water and wastewater leaks; and

**WHEREAS**, Pure Technologies has submitted a proposal dated July 10, 2017 in the lump sum amount of \$18,000 to conduct two (2) risk assessment analyses (one for the 36-inch diameter pipe and one for the 42-inch diameter pipe) to determine the failure risk based on the number of wire wrap breaks; and

**WHEREAS**, SBRSa believes it is prudent to have a risk analysis performed based on the history of the Interpace pipe and recommends this analysis be conducted; and

**WHEREAS**, the risk analysis will be conducted as Amendment No. 1 to the Condition Assessment Contract in the lump sum amount of \$18,000 for a total contract amount of \$373,000; and

**WHEREAS**, the qualified purchasing agent, Diane Redding has determined and certified in writing that the value of the work will exceed \$17,500; and

**WHEREAS**, Pure Technologies has submitted a Business Entity Disclosure Certification which certifies that Pure Technologies its subsidiaries, assigns or principals controlling in excess of 10% of the company has neither made a contribution that is reportable pursuant to the Election Law Enforcement Commission pursuant to N.J.S.A. 19:44A-8 or 19:44A-16, in the one (1) year period preceding the award of the contract that would, pursuant to P.L. 2004, c.19, affect its eligibility to perform this contract, nor will it make a reportable contribution during the term of the contract to a municipal political party

committee of a governing body that appoints members to the Authority including, Princeton, South Brunswick Township, West Windsor Township, Hopewell Borough, Hopewell Township, and Pennington Borough, when the contract is awarded, or to any municipal candidate committee of any candidate for or holder of municipal elective public office of any such municipality when the contract is awarded, and

**WHEREAS**, the Stony Brook Regional Sewerage Authority has Funds available in retained earnings.

**NOW THEREFORE, BE IT RESOLVED** that the Board of the Stony Brook Regional Sewerage Authority authorizes the Chairman to enter into an amendment to the contract with Pure Technologies. as described herein; and

**BE IT FURTHER RESOLVED** that the Business Disclosure Entity Certification and the Determination of Value be placed on file with this resolution.

Recorded Vote:

	AYE	NO	ABSTAIN	ABSENT
Robert A. Bartolini	X			
Harry Compton	X			
Gale D. Downey				X
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel	X			

River Road Filtration/Disinfection Byproducts Compliance Study

Ms. Pchola indicated that Kleinfelder continues to work on developing budgetary capital cost estimates and the preparation of the draft report. Discussions with Kleinfelder indicated that we would have the draft report by the end of August.

Odor Sampling and Evaluation

Ms. Pchola reported that TRC was on-site July 24th and 25th to collect the air samples for the odor evaluation.

Pennington WWTP Upgrade and Expansion

Ms. Pchola reported that Kleinfelder submitted the draft 100% complete contract documents on July 10, 2017 for staff’s final review and comments. Kleinfelder is in the process of updating the construction cost estimate.

Ms. Pchola stated that Kleinfelder submitted the Mercer County Soil Erosion and Sediment Control Plan Certification Application on June 29, 2017. All permit applications have now been submitted for the project. To date no approvals have been received.

Ms. Pchola indicated that Kleinfelder had discussions with the Hopewell Township engineer to inquire if we will need site plan approval. The site plan was submitted to the Hopewell Township engineer on July 17, 2017 for his review to determine if a site plan approval is necessary.

Ms. Pchola indicated that staff requested and Kleinfelder provided a proposal for construction phase services for the Pennington Wastewater Treatment Plant Upgrade and Expansion. A copy of the proposal was provided to the Board. It is most cost-effective for the design engineer of a project to provide construction phase services.

Ms. Pchola noted that as part of this proposal staff requested that Kleinfelder also include an update to the Operations and Maintenance (O&M) Manual for the upgrade/expansion of the plant. An updated O&M Manual is a requirement of our discharge permit.

Ms. Pchola explained that when comparing the proposed cost for construction phase services with other SBRSA projects, staff determined that the proposed cost is consistent with our other projects (construction services based on the percent of the construction cost and the complexity of the project).

Staff recommended approval of Resolution 2017-47, Authorizing the Award of a “No Political Contributions Allowed” contract to Kleinfelder for Construction Phase Services for Contract 17-1 Pennington Wastewater Treatment Plant Upgrade and Expansion Project at a cost not to exceed \$576,380 without prior authorization. Ms. Pchola indicated that Mr. Timothy Bradley from Kleinfelder attended the Construction Committee meeting, provided a presentation and answered questions the Committee had regarding this contract. Ms. Pchola noted that the cost is based on the assumption that a reasonable contractor will be lowest responsive bidder and one that does not propose many substitutions to the specified equipment. The Resolution was moved by Mr. Patel and seconded by Mr. Compton.

Chairman Bartolini asked when the Authority intends to go out to bid for this project. Ms. Pchola indicated that the Authority is looking to go out to bid in August or September 2017.

The Resolution 2017 was then passed by a roll call vote of 4 to 0. Mr. Morehouse abstained. Resolution 2017-47 follows.

**Resolution Authorizing the Award of a “No Political Contributions Allowed”  
Contract to Kleinfelder for Construction Phase Services for Contract 17-1  
Pennington Wastewater Treatment Plant Upgrade and Expansion Project**

**Resolution No. 2017-47**

**WHEREAS**, the Stony Brook Regional Sewerage Authority (SBRSA) has a need for construction services for Contract 17-1 Pennington Wastewater Treatment Plant Upgrade and Expansion Project as a contract that does not allow for political contributions

to the Authority or its members (“No Political Contributions Allowed” contract) pursuant to the provisions of N.J.S.A. 19:44A-20.4 et seq.; and

**WHEREAS**, the Assistant Finance Officer Ms. Diane Redding has determined and certified in writing that the value of the work will exceed \$17,500; and

**WHEREAS**, Kleinfelder (KLF) was awarded the contract to provide the design services for the Pennington Wastewater Treatment Plant Upgrade and Expansion Project on April 25, 2016, Resolution 2016-28; and

**WHEREAS**, SBRSA had requested and KLF has submitted a proposal dated July 19, 2017 indicating they will provide construction phase services for Contract 17-1 Pennington Wastewater Treatment Plant Upgrade and Expansion Project on a time charge fee basis at a cost of \$576,380; and

**WHEREAS**, KLF has on file with SBRSA a Business Entity Disclosure Certification which certifies that KLF its subsidiaries, assigns or principals controlling in excess of 10% of the company has neither made a contribution that is reportable pursuant to the Election Law Enforcement Commission pursuant to N.J.S.A. 19:44A-8 or 19:44A-16, in the one (1) year period preceding the award of the contract that would, pursuant to P.L. 2004, c.19, affect its eligibility to perform this contract, nor will it make a reportable contribution during the term of the contract to a municipal political party committee of a governing body that appoints members to the Authority including, Princeton, South Brunswick Township, West Windsor Township, Hopewell Borough, Hopewell Township, and Pennington Borough, when the contract is awarded, or to any municipal candidate committee of any candidate for or holder of municipal elective public office of any such municipality when the contract is awarded, and

**WHEREAS**, the Stony Brook Regional Sewerage Authority has sufficient funds in retained earnings for this work.

**NOW THEREFORE, BE IT RESOLVED** that the Board of the Stony Brook Regional Sewerage Authority authorizes the Secretary to enter into a contract with KLF as described herein; and,

**BE IT FURTHER RESOLVED** that the Business Disclosure Entity Certifications and the Determination of Value be placed on file with this resolution.

Recorded Vote:

	AYE	NO	ABSTAIN	ABSENT
Robert A. Bartolini	X			
Harry Compton	X			
Gale D. Downey				X
David A. Goldfarb	X			
C. Schuyler Morehouse			X	
Bharat Patel	X			

### Millstone Pump Station Odor Abatement System Evaluation

Ms. Pchola reported that R3M has started the preliminary design of the project. Staff is in the process of providing R3M with requested data.

### Replacement of Nitrification Clarifier No. 2 Drive

Ms. Pchola indicated that staff is in the process of preparing contract documents for the rehabilitation of this unit which will be a small capital project.

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

Ms. Pchola indicated that this project stands at 94% complete. No payment application was submitted by the contractor this month. During the past reporting period, TCI removed the existing turbine generator from service and installed a temporary generator in its place. TCI removed the cables from the existing turbine generator control cabinet, pulled new cables from the new switchgear to the existing generator pull box, and corrected control issues within the new HVAC control panel. Rudox completed the preliminary checkout of the natural gas fired generator and test ran the unit for approximately 30 minutes. On July 5, 2017 SBRSA received a start-up/commissioning schedule for the River Road generator from TCI. The proposed schedule indicated that the work at River Road would be substantially complete by July 24, 2017. On July 18, 2017 TCI submitted an updated commissioning schedule. The revised schedule indicates the work being substantially complete by August 4, 2017.

On July 13, 2017 Mr. Robert Hopkins, our NJDEP Project Manager for this project was on-site for a project update.

### Contract 16-1 Schwing Pump Replacement Project

Ms. Pchola stated that limited progress took place in last reporting period. MBE is in the process of negotiating the payment terms for the pumps with Schwing and has submitted a preliminary Schedule of Values. The contractor's SED plan was reviewed by SBRSA and GHD and forwarded to the NJDEP Office of Equal Opportunity for approval.

### Princeton Solar Project

Ms. Pchola indicated that during the last reporting period the installation contractor (Miller Bros.) conducted the following: completed the underground ductbank to the new PSEG utility pole, completed the utility side underground ductbank and conduits to the new SBRSA switchgear pad, began installation of the grounding system for the switchgear pad, and formed and placed the concrete for the switchgear pad. Solar Foundations continued with the installation of the solar panel mounting system and PSEG installed a new utility pole. Princeton is continuing the process of completing the grading and leveling of the



landfill area to be used by the solar panel field as required by the NJDEP. On June 5, 2017 Princeton and NJR held a groundbreaking ceremony for the project.

Mr. Kantorek noted that it is anticipated that the project will be completed in August and operational by September 2017.

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

Ms. Pchola indicated that during the last reporting period, Allied mobilized on site, installed the four mixer support masts, demolished the existing abandoned pumps, pump pads, and piping in the Incinerator Building basement, removed the existing basket strainer, and began the installation of the replacement basket strainer. The electrician installed the underground ductbank and began the installation of the mixer conduits at the MA tank.

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

Ms. Pchola reported that this project stands at 78% complete. During the last reporting period, Iron Hills removed the motor for Drive No. 2 and returned the motor to the vendor for analysis due to a vibration issue. No abnormal vibration was observed during the testing and the motor passed all electrical checks. On July 17, 2017, a conference call was held between SBRSA, CBE, Iron Hills, and the representatives of the VFD and motor manufacturers to discuss the vibration issue with Drive No. 2. At the end of the discussion it was decided that Iron Hills and the VFD representative would be on-site Monday July 24, 2017 to reinstall the motor, complete some additional VFD tuning, and run the motor, un-coupled, throughout the entire speed range. It is hoped to have a portable vibration analyzer on-site to check motor vibration during this work.

#### Contract 17-2, Odor Control Systems Carbon Replacement Project

Ms. Pchola noted that as reported last month, the carbon change-outs for the Sludge Cake Receiving Facility and the Millstone Pump Station have been completed. The final payment application is being processed at this month's Authority Board meeting.

#### Contract 17-3, Server Room and IT Office Improvements

Ms. Pchola reported that the contractor, Stone Hill Contracting Co. (SHC), has provided all required insurance certificates, bonds, and the signed agreements. A preconstruction meeting has been scheduled for July 27, 2017. SHC has begun the process of submitting shop drawings.

#### CEMS Carbon Monoxide Analyzer Replacement

Ms. Pchola stated that staff received the revised PST reports from PACE Environmental on July 12, 2017. The revised reports indicate that the CO analyzers have passed under all four operating scenarios. Staff is in the process of reviewing these revised reports and will have PACE finalize for submission to NJDEP by the first week in August.

### Plant Influent Flow Meter

Ms. Pchola indicated that SBRSA staff continues with the calibration checks on the two flow transmitters to establish historical accuracy data on each transmitter. A copy of the comparison summary of the sum of our billing meters versus the River Road plant influent meter was provided to the Board.

### Information Technology

Mr. Thomas reported that Mr. Bob Riley from EMA was on-site for four (4) days to review the status of existing IT projects. Many topics were discussed including an order of events for moving forward.

Mr. Thomas indicated that staff is in the process of contacting vendors to update quotes for the replacement/installation of our network cabling in the Operations Building which will improve our infrastructure for our IT systems. It is anticipated that this work will be conducted in conjunction with the construction of the new server room and be ready for connections to the servers once the room is completed.

Mr. Thomas stated that the digital circuit used to gather data from all pump and meter stations experienced an issue with Meter Station No. 7. Steps were taken to preserve the data from that meter. The outage lasted seven (7) days and was found to be a multiple hardware failure. No data was lost.

Mr. Thomas reported that new computers are being ordered to replace the remaining legacy workstations; this will make all end-user workstations share the same standardized configuration.

## 547.12 Finance Report

### Payment of Bills and Claims

Mr. Morehouse moved for approval of Resolution 2017-43 for the payment of bills and claims in the amount of \$1,116,340.76 with two signatures instead of three. The motion was seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolution 2017-43 follows.

### **Resolution Regarding Payment of Bills and Claims**

#### **Resolution No. 2017-43**

**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 **\$1,116,340.76** 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 that net income for the seven-month period ending June 30, 2017 is \$552,026. Mr. Sears indicated that receipt of sludge cake from Somerset Raritan Valley Sewerage Authority stopped on July 14, 2017. The Authority has total cash and investments of \$19,501,529 at an average interest rate of 0.34%. The current construction projects balance is \$15,536,687. Mr. Sears noted there are sufficient funds for these projects. The outstanding bond principal balance remains at \$20,184,184. The next bond payment is due on August 1<sup>st</sup>. The New Jersey Cash Management Fund yield is 0.22%.

Resolution 2017-44, Authorizing the Award of a “No Political Contributions Allowed” Contract(s) for Non-Professional Service Vendors

Mr. Sears recommended approval of Resolution 2017-44, Authorizing the Award of a “No Political Contributions Allowed” Contract(s) for Non-Professional Service Vendors. The vendor listed on this resolution is General Carbon Corp. for the purchase of filter media. This type of resolution is prepared when the Authority has determined that a purchase will likely exceed \$17,500. So moved by Mr. Goldfarb, seconded by Mr. Patel.

Mr. Goldfarb asked what process the Authority used to choose General Carbon Corp. Mr. Stewart indicated that staff requested quotes. Mr. Goldfarb requested that in the future a memo be prepared and put in the Board book showing the quotes the Authority received.

The Resolution was then passed by a roll call vote of 5 to 0. Resolution 20179-44 follows.

**Resolution Authorizing the Award of a “No Political Contributions Allowed” Contract(s) for Non-Professional Service Vendor(s)**

**Resolution No. 2017-44**

**WHEREAS**, the Stony Brook Regional Sewerage Authority has a need to acquire goods or services as a no political contribution contract pursuant to the provisions of N.J.S.A. 19:44A-20.4 or 20.5 as appropriate; and,

**WHEREAS**, the purchasing agent has determined and certified in writing that the value of each contract (by purchase orders) will likely exceed \$17,500; and,

**WHEREAS**, the anticipated term of this contract is for fiscal year 2017 (1 year) and may be extended as approved by this governing body; and,

**WHEREAS**, the attached list of vendor(s) has completed and submitted a Business Entity Disclosure Certification which certifies that each vendor has not made any reportable contributions to a political or candidate committee served by the Stony Brook Regional Sewerage Authority in the previous one year, and that the contract will prohibit the (attached list of vendors) from making any reportable contributions through the term of the contract; and,

**WHEREAS**, the Authority has Funds available in its current budget.

**NOW THEREFORE, BE IT RESOLVED** that the Stony Brook Regional Sewerage Authority authorizes the attached list of vendor(s) to enter into contracts by purchase order; and,

**BE IT FURTHER RESOLVED** that the Business Disclosure Entity Certification and the Determination of Value be placed on file with this resolution.

<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			

<b>Year 2017 No Political Contribution Contracts:</b>	
<b>Company Name</b>	<b>Service</b>
General Carbon Corp.	Filter Media

Monthly Sludge Business Analysis

Mr. Sears reported that net income for the month of June is \$161,073 and the cumulative net income is \$972,623.

A brief discussion followed regarding the sludge business analysis with regard to how the Authority accounts for the debt cost on the analysis.

547.13 Personnel Report

The Personnel Report was provided for member information.

Mr. Kantorek noted that the Authority has forty-five (45) filled position. An Operator VI has been hired and one probationary employee was terminated. The candidate is in the process of completing the pre-employment physical and background check.

547.14 Correspondence

For information.

547.15 Old Business

None

547.16 New Business

Resolution 2017-46, Awarding a Contract for the River Road STP Multiple Hearth Incinerator No. 2 Repairs

Mr. Kunert reported that on July 21, 2017 bids were received for the River Road STP Multiple Hearth Incinerator No. 2 Repairs. One bid was received and the result is as follows:

Industrial Furnace Company Inc.	\$29,900.00
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The bid was for the necessary repairs based on the inspection and subsequent report performed and submitted by Chavond-Barry Engineering.

Mr. Kunert recommended that the contract for the River Road STP Multiple Hearth Incinerator No. 2 Repairs be awarded to Industrial Furnace Company in the amount of \$29,900. So moved by Mr. Goldfarb, seconded by Mr. Compton.

Mr. Goldfarb asked if the Authority ever has anyone else bid on incinerator repairs. Mr. Kantorek indicated that Albertus has often submitted bids, however, they indicated that their schedule is full and therefore did not bid.

The Resolution was then passed by a roll call vote of 5 to 0. Resolution 2017-46 follows.

**Resolution Authorizing the Award of a Contract for the River Road STP Multiple-Hearth Incinerator #2 Repairs**

**WHEREAS**, the Stony Brook Regional Sewerage Authority advertised for the receipt of sealed competitive bids in accordance with the requirements of the Local Public Contracts Law, NJSA 40A:11-1 et seq. for the River Road STP Multiple-Hearth Incinerator #2 Repairs; and

**WHEREAS**, the following bid was received by the Authority on July 21, 2017, as more fully set forth as follows:

Industrial Furnace Company, Inc.                      \$29,900.00

**WHEREAS**, the Authority has determined that the bid of Industrial Furnace Company Inc. is the sole bidder in the amount of \$29,900.00; and

**WHEREAS**, the bid submitted by the Industrial Furnace Company in the amount of \$29,900.00 has been reviewed by the Authority and has been determined to be in compliance with the bid specifications in accordance with the Local Public Contracts Law NJSA 40A:11-1 et seq; and

**WHEREAS**, the Stony Brook Regional Sewerage Authority has sufficient funds available in its current budget.

**NOW THEREFORE, BE IT RESOLVED** by the Stony Brook Regional Sewerage Authority that it hereby awards this contract to the Industrial Furnace Company for the River Road STP Multiple-Hearth Incinerator #2 Repairs Contract;

**BE IT FURTHER 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.

Recorded Vote:

	AYE	NO	ABSTAIN	ABSENT
Robert A. Bartolini	X			
Harry Compton	X			
Gale D. Downey				X
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel	X			

547.17 Open to the Public

547.18 And such other issues as may come before the Board

None.

547.19 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 8:56 p.m. on a motion by Mr. Patel, seconded by Mr. Compton and passed by unanimous vote.

Respectfully Submitted,

John Kantorek  
Secretary

Recorded and Written by  
Patricia Carlino  
August 7, 2017