

Minutes of Meeting #545, May 22, 2017 – Stony Brook Regional Sewerage Authority

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

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

MEMBERS ABSENT: Goldfarb

CONSULTANTS: Alexander

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

545.01 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.

545.02 Approval of Minutes

Chairman Bartolini asked for comments/questions regarding the minutes from the May 1, 2017 Board meeting. Mr. Kantorek indicated that two changes were made to the minutes. On page 30, paragraph 3, line 3 reads "...if any Board member wishes discuss this with their municipality and all are in favor..." was corrected to read "...if any Board member wishes to discuss this with their municipality and they are in favor...". Mr. Kantorek noted that on page 33, paragraphs 1, 2 and 3 colons were added to the military times, listed in those paragraphs (11:22, 11:28, 13:33, 23:33, 23:45 and 23:52). The minutes were then approved as amended on a motion by Dr. Downey, seconded by Mr. Patel and passed by a vote of 5 to 0.

545.03 Board Related Activities

Resolution 2017-32, Certifying Member Review of the 2016 Audit

Mr. Sears reported that Ms. Crystal Fitzpatrick from WithumSmith+Brown was present tonight to review the 2016 Audit. Mr. Sears indicated that the Finance Committee did meet on May 18, 2017 to review the Draft Audit Report.

Ms. Fitzpatrick began by thanking staff for their cooperation with the audit staff.

The first item Ms. Fitzpatrick addressed was the Schedule of Findings and Questioned Costs for Year Ending November 30, 2016. Ms. Fitzpatrick noted that the Financial Statements are unmodified which means that the Financial Statements are fairly stated.

Ms. Fitzpatrick indicated that there were no material weaknesses identified, no significant deficiencies identified and no non-compliance material to the financial statements.

Ms. Fitzpatrick indicated that there were no financial statement findings reported and no federal or state award findings or questioned costs reported.

Ms. Fitzpatrick noted that there were no comments or recommendations made by the auditors.

Ms. Fitzpatrick reviewed the Statements of Revenues, Expenses and Changes in Net Position. Operating revenues for FY 2016 totaled \$15.6 million compared to \$15.1 million in 2015. This was due to an increase in outside sludge and septage revenues. Operating income was \$904,025 compared to \$898,493 in FY 2015. Included in that figure was the pension expense, net. Change in net position is \$101,866 compared to \$144,733 in FY 2015.

Ms. Fitzpatrick reviewed the Statements of Net Position. Ms. Fitzpatrick indicated that total unrestricted current assets for FY 2016 are \$11.8 million compared to \$12.9 million in FY 2015. Total restricted current assets are \$9.3 million compared to \$12.3 million in FY 2015 for total current assets of \$21.2 million compared to \$25.2 million in FY 2015. The decrease is due to the completion of projects funded through the New Jersey Environmental Infrastructure Trust Program (NJEITP). Net property, plant and equipment for FY 2016 is \$46.8 million compared to \$45.1 million in FY 2015. Again, this was due to the completion of projects through the NJEITP. Ms. Fitzpatrick noted that deferred outflows are pension related. Total assets and deferred outflows of resources for FY 2016 is \$71.9 million compared to \$72 million in FY 2015.

Ms. Fitzpatrick then reviewed Liabilities, Deferred Inflows of Resources and Net Position. Total current liabilities are \$2.8 million compared to \$4.1 million in FY 2015. Total long-term liabilities are \$35.2 million compared to \$38.1 million in 2015 and total liabilities are \$38 million for FY 2016 compared to \$38.1 million in 2015. Ms. Fitzpatrick indicated that total liabilities, deferred inflows of resources and net position for FY 2016 is \$71.9 million compared to \$72 million in FY 2015.

Ms. Fitzpatrick noted that the Management's Discussion and Analysis is good to read and explains things in "layman's" terms and it is also good to read the notes included in the audit. If any Board member has any questions regarding the 2016 Audit, please contact Mr. Sears or Ms. Fitzpatrick.

Mr. Morehouse indicated that it would be helpful if someone from WithumSmith+Brown be present at the meeting when the Finance Committee reviews the audit to answer questions that the Committee members may have. Ms. Fitzpatrick indicated that someone from WithumSmith+Brown would be available for the Finance Committee meeting.

Ms. Fitzpatrick commended Mr. Sears for a fine job and thanked staff for their cooperation with the audit.

Mr. Morehouse moved for approval of Resolution 2017-32, Certifying Member Review of the 2016 Audit. Mr. Morehouse drew the Board's attention to the fourth paragraph which states: "...that the governing body of the Stony Brook Regional Sewerage Authority hereby certifies to the Local Finance Board of the State of New Jersey that each governing body member has personally reviewed the annual audit report for the fiscal year ending November 30, 2016, and specifically has reviewed the sections of the audit report entitled "General Comments" and "Recommendations", and has evidenced same by group affidavit in the form prescribed by the Local Finance Board." Dr. Downey seconded the motion.

Mr. Morehouse noted that Mr. Goldfarb is absent tonight but he attended the Finance Committee meeting on May 18, 2017 and did not have any comments regarding the audit.

Resolution 2017-32 was then approved by a roll call vote of 5 to 0. Resolution 2017-32 follows.

**RESOLUTION**  
**Certifying Member Review of the 2016 Audit**

**Resolution No. 2017-32**

**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 annual report for the fiscal year ending November 30, 2016 has been completed and will be filed with the State of New Jersey, Division of Local Government Services, Department of Community Affairs, Bureau of Authority Regulation, Local Finance Board pursuant to N.J.S.A. 40A:5A-15, and

**WHEREAS**, N.J.S.A. 40A:5A-17 requires that the governing body of each authority, within 45 days of receipt of the annual audit, certify by resolution to the Local Finance Board that each member thereof has personally reviewed the annual audit report, and specifically the sections of the audit report entitled "General Comments" and "Recommendations" in accordance with N.J.S.A. 40A:5A-17.

**NOW, THEREFORE, BE IT RESOLVED** that the governing body of the Stony Brook Regional Sewerage Authority hereby certifies to the Local Finance Board of the State of New Jersey that each governing body member has personally reviewed the annual audit report for the fiscal year ending November 30, 2016, and specifically has reviewed the sections of the audit report entitled "General Comments" and "Recommendations", and has evidenced same by group affidavit in the form prescribed by the Local Finance Board.

**BE IT FURTHER RESOLVED** that the Secretary of the Authority is hereby directed to promptly submit to the Local Finance Board the aforesaid group affidavit, accompanied by a certified true copy of this Resolution.

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE RESOLUTION PASSED AT THE MEETING OF THE STONY BROOK REGIONAL SEWERAGE AUTHORITY HELD ON MAY 22, 2017.

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			

The Board thanked Ms. Fitzpatrick.

Consultant List

The consultant list was provided for information. Mr. Kantorek indicated that one contract is pending award tonight. This will be discussed in the Operations section of the meeting.

545.04 Planning and Administration

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 8,569,214 gpd with 860,267 gpd of approved but inoperative flow for a total committed flow of 9,429,481 gpd with 3,630,519 gpd or 27.80% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 211,038 gpd with 300 gpd of inoperative flow, for a total committed flow of 211,338 gpd with 29.55% or 88,662 gpd of available capacity. The Pennington Plant presently has 227,012 gpd as the most current 12-month average daily flow, with 30,653 gpd of approved but inoperative flow, for a total committed flow of 257,665 gpd, with 14.11% or 42,335 gpd of available capacity.

Mr. Kantorek noted that staff received a copy of the new regulations from the NJDEP regarding the Capacity Assurance reporting. Mr. Kantorek indicated that the Authority has been filing Capacity Assurance Reports for all facilities when capacity reached 80%. Under the new regulations reports do not need to be filed until a treatment plant reaches 95% of its capacity.

Mr. Kantorek indicated that under the Wastewater Management Planning regulations, planning must be initiated when 20% of the capacity is exceeded. A letter was received from Mercer County questioning what SBRSA plans to do since all three facilities are over 80% capacity.

Ms. Alexander indicated that when a plant reaches 95% of capacity, DEP can stop issuing new TWA's.

A brief discussion followed.

#### Monthly Flow Transmittal

Mr. Kantorek indicated that in addition to the April Flow Transmittal, a revised River Road Monthly Flow Transmittal for the month of March was included in the Board book.

The revised River Road Flow Transmittal indicated that a review of the hourly meter data on March 31, 2017 indicated that the last six (6) hours of data for that day were erratic. The meter data for those six (6) hours were replaced with the average of the "good" hourly meter data before and after the erratic data.

Mr. Kantorek indicated that several adjustments for the month of April were made.

Mr. Kantorek reported that the meter verifications were conducted by staff on May 1, 2017. All meters were within  $\pm 5\%$  accuracy.

As part of the Millstone Force Main Condition Assessment/Inspection project that was conducted by Pure Technologies on April 25<sup>th</sup> and 27<sup>th</sup>, it was necessary to backup flow at the Millstone Pump Station to store flow in the Millstone and Stony Brook Interceptors to ensure that there was enough flow/velocity to move Pure Technologies' equipment through the Millstone Force Main. As a result of backing up flow, the meters at the Millstone Pump Station, Meter Chamber No. 7 and the Princeton Forrestal were affected (due to the elevation of Meter Chamber No. 6, the meter was not affected by the backed-up flow). The following adjustments were made to the Millstone Pump Station, Meter Chamber No. 7 and the Princeton Forrestal meter data for April 25<sup>th</sup> and 27<sup>th</sup>. The same metering adjustment method was used at all three locations.

At the Millstone Pump Station, Meter Chamber No. 7, and Princeton Forrestal meter, data for April 25<sup>th</sup> was calculated based on the average of the meter data on April 24<sup>th</sup> and April 26<sup>th</sup>. The meter data for April 27<sup>th</sup> was calculated based on the average of the meter data on April 26<sup>th</sup> and April 28<sup>th</sup>.

At Meter Chamber No. 6, a review of the hourly meter data on April 1<sup>st</sup> indicated that the first two (2) hours of data for that day were erratic (continuation of the last six hours on March 31<sup>st</sup>). The meter data for those two hours were replaced with the average of the "good" hourly meter data before and after the erratic data.

Dr. Downey asked what was the source of the rainfall data. Ms. Pchola indicated that the rainfall data is from our rain gauges at the plant and that Mr. Goldfarb requested that staff stop using the Weather Underground rainfall data.

545.05 Approval Requests and Actions

TWA-1 Approvals

None.

Time Extensions

None

NJPDES Applications

None.

Water Quality Management Plan Amendments

**Mindel (Major Road) Tract (for information only no action at this time)**

Ms. Pchola indicated that ESE Consultants Inc. on behalf of Toll Brothers has submitted a site-specific amendment request to the Middlesex County Water Quality Management Plan (WQMP) to include 43 acres located in South Brunswick Township into the Stony Brook Regional Sewerage Authority (SBRSA) Sewer Service Area (SSA). This area was removed from the SBRSA SSA during the WQMP mapping preparation due to environmentally sensitive areas. ESE has requested that this area be included back into the SBRSA SSA based on a Letter of Interpretation (LOI) that indicates that this area is outside of freshwater wetlands and therefore should not have been removed.

Ms. Pchola stated that in addition, the amendment request includes the transfer of four proposed lots from the SBRSA SSA to the Middlesex County Utilities Authority (MCUA) SSA and three proposed lots from the MCUA SSA to the SBRSA SSA. Staff is currently reviewing the SBRSA Service Contract regarding the transfer of lots. MCUA has already agreed to the transfer of lots. A copy of the letter from MCUA dated April 19, 2017 was provided to the Board.

Ms. Pchola indicated that a letter from Middlesex County noting completeness of the SSA Amendment Application and that it will be reviewed and voted at the Water Resources Association (WRA) meeting on June 12, 2017. A copy of the letter was provided to the Board. The Middlesex County Planning Board will then review the application on June 13, 2017.

Ms. Pchola reported that discussions with ESE Consultants indicated that this project will also require an EPA waiver from the Environmentally Sensitive Area special grant condition placed on SBRSA construction grant project (C-34-400-02). This waiver request is similar to the waiver request recently received for the Stanton Girard site.

Ms. Pchola noted that the WQMP amendment and EPA waiver are the first two steps in the process of obtaining South Brunswick Township site plan approval for this project. The application for site plan approval has not been submitted to the Township. The preliminary contributing flow to SBRSA for the Mindel Tract is approximately 19,500 gpd.

**Suez Water/Princeton Meadows WWTP (for information only no action at this time)**

Ms. Pchola reported that Suez Water/Princeton Meadows WWTP located in Plainsboro is in the preliminary process of evaluating their options for their wastewater treatment plant. Staff had discussions with a consultant engineer (T&M Associates) that indicated that Suez Water was evaluating upgrading their plant or decommissioning their WWTP and replacing it with a pump station with ultimate discharge to the River Road WWTP via South Brunswick Township. Staff told T&M that this option has many obstacles and will require discussions with our Board. The anticipated contributing flow is approximately 2 mgd which also has implications with the remaining capacity at the River Road WWTP and capacity for our participants.

Mr. Kantorek indicated that 2 mgd at the River Road WWTP is a significant amount of flow.

A brief discussion followed.

Allocated Flow Update

Added Flows:

300 gpd – Princeton – Prospect Avenue

8,240 gpd – South Brunswick Township – Heritage Shopping Center

545.06 Regulatory Report

Discharge Monitoring Report (DMR)

Mr. Rahimi reported that the Discharge Monitoring Reports for the month of March 2017 were submitted to the NJDEP. No violations were reported.

### Residuals Discharge Monitoring Report (RDMR)

Mr. Rahimi reported that the February 2017 RDMRs were submitted. All River Road parameters were compliant with the Air Permit requirements

Mr. Rahimi noted that staff is currently preparing the March 2017 RDMR.

### Air Reporting

Mr. Rahimi indicated that the 1<sup>st</sup> quarter 2017 Incinerator Sludge Metals Report was submitted to NJDEP on May 8, 2017. There were no exceedances of the monthly, 12-month weighted average or 15-month rolling metals concentration limits or the 12-month rolling lead or mercury emission limits.

Mr. Rahimi reported that the 1<sup>st</sup> quarter 2017 Excess Emissions and Monitoring Report was submitted to NJDEP. Incinerator No. 1 operating with the Afterburner (AB) (OS1) had 7.83 hours and Incinerator No. 2 operating with the Afterburner (AB) (OS3) had 1.08 hours of excess Oxygen emissions (Oxygen<3.0%). Carbon Monoxide (CO) concentrations during these periods were less than 100 ppm<sub>dv</sub> at 7% Oxygen.

Mr. Rahimi indicated that a portion of the requested data to complete 2016 Emission Statement was forwarded to KEMS on May 15, 2017. The remaining data will be forwarded to KEMS by the end of May.

### Laboratory

Mr. Rahimi indicated that the laboratory has achieved acceptable results for all parameters in the NJDEP 2017 Proficiency Testing (PT) study from ERA (PT provider). Copies of the Certificates were provided to the Board. The NJDEP Office of Quality Assurance (OQA) needs to validate the results.

### Miscellaneous

Mr. Rahimi noted that the applications were submitted on April 12, 2017 for all three facilities to the National Association of Clean Water Agencies (NACWA) Peak Performance Awards.

## 545.07 Safety

Ms. Pchola reported that there were no accidents or injuries for this reporting period.

Ms. Pchola noted that as of May 16, 2017, Stony Brook Regional Sewerage Authority has gone 314 consecutive days without a "Lost Time Accident".



Ms. Pchola indicated that on May 2, 2017, which was a very windy day, an employee was injured when small particles that were swirling in the wind got into his eyes causing eye irritation. The employee was diagnosed and received medical attention for a scratched cornea and was cleared to return to work.

Ms. Pchola reported that the 2017 annual inspection, which is conducted by Kleinfelder and AECOM, of all Authority facilities has been completed. Staff is in the process of preparing a summary of all punch list items that have been abated to present to the Board at the June meeting.

Ms. Pchola indicated that the hoist located at the Sludge Cake Receiving Building needs repairs. Staff received one quote and is waiting for a second quote. The hoist is primarily used for moving 55-gallon drums of oil and parts into the basement for the Schwing pumps.

Ms. Pchola noted that a Safety Committee meeting was held on May 16, 2017. A copy of the minutes was provided to the Board.

#### 545.08 Litigation

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

#### 545.09 Operations Report

##### River Road Facility

Mr. Kunert reported that the structural steel failure within Nitrification Aeration Stage No. 1, Tank No. 1, which required repairs by an outside contractor, was put back on line on April 29, 2017. The repairs performed by Allied Construction were completed on April 28, 2017. The plant is now operating with all eight Nitrification Aeration Stages in service.

Mr. Kunert indicated that the replacement section for the Fly Ash Slurry line, manufactured by Abresist, arrived on May 5, 2017. The Victaulic couplings were delivered on May 19, 2017. The contractor is scheduled to arrive on May 24, 2017 to remove the failed section of pipe and install the new section.

Mr. Kunert noted that on May 4, 2017 the Somerset County Health Department was at the River Road WWTP for a scheduled tour.

Mr. Kunert stated that on May 13, 2017, high flows were experienced at all three facilities due to a rain storm. It was necessary to by-pass the filters at all three facilities for a period of time. The required hotline calls were made to the NJDEP.

Mr. Kunert reported that the Industrial Furnace Company (IFCO) de-slagged Incinerator No. 1 the week of May 5, 2017. On May 11, 2017 SBRSa put Incinerator No. 1 back into operation. Incinerator No. 2 was then cooled down and IFCO was back on site the week of May 15, 2017 to de-slag this Incinerator. An inspection of Incinerator No. 2 by CBE is in the process of being scheduled.

Mr. Kunert indicated that all four Chlorine Contact Tanks and Re-Aeration Tanks were pumped out, cleaned and put back into service.

Mr. Kunert stated that the Authority has been experiencing difficulties with the incinerators with excessive slag production and establishing a rabble pattern that is not conducive to slagging. This is causing an extensive amount of downtime. Staff requested a proposal from IFCO to have their Incinerator Optimization Expert come to the River Road Facility for three days to examine our Incinerator equipment, discuss operational difficulties with our Incinerator Operators, Management, Instrumentation and the Maintenance Department. He will then ultimately furnish a report of his findings along with his recommendations. The proposal included a cost of \$10,450 to perform these services. A copy of the proposal was provided to the Board.

Mr. Kunert recommended approval of Resolution 2017-34 Authorizing the Award of a “No Political Contributions Allowed” Contract for 2017 Incinerator Advice to Industrial Furnace Company Inc. (IFCO) in an amount not to exceed \$10,450. So moved by Dr. Downey, seconded by Mr. Patel and passed by a roll call vote of 5 to 0. Resolution 2017-34 follows.

**Resolution Authorizing the Award of a “No Political Contributions Allowed”  
Contract  
for 2017 Incinerator Advice to Industrial Furnace Company Inc. (IFCO)**

**Resolution No. 2017-34**

**WHEREAS**, the Stony Brook Regional Sewerage Authority “Authority” has been experiencing excessive slag production in our incinerators which is causing operational issues and extensive downtime, and

**WHEREAS**, the Authority has consulted with Chavond-Barry Engineering and KEMS regarding this issue and the issue still persists; and

**WHEREAS**, the Authority still has a need for consulting services for process and optimization advice related to the operation and maintenance of the Authority’s incinerators to determine the cause of the excessive slagging 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 Authority has requested and Industrial Furnace Company Inc. (IFCO) has submitted a proposal dated May 5, 2017 indicating they will provide consulting advice on a time charge not to exceed \$10,450.00 without written authorization from Stony Brook Regional Sewerage Authority; and

**WHEREAS**, IFCO has vast knowledge in the operation of multiple hearth incinerators; and will provide the Authority with process recommendations for the optimization of our incinerators and reduced incinerator downtime; and

**WHEREAS**, IFCO. has completed and submitted a Business Entity Disclosure Certification (BEDC) with the same term of agreement ending November 30, 2017 which certifies that Industrial Furnace Company Inc. 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 its Fiscal Year 2017 Operating Budget.

**NOW THEREFORE, BE IT RESOLVED** that the Board of the Stony Brook Regional Sewerage Authority authorizes the Chairman to enter into a contract with Industrial Furnace Company Inc. 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			

Upstream Facilities

Mr. Kunert reported that both Upstream STPs operated well during this reporting period.

### Odor Report

Mr. Kunert reported that staff received six Odor Complaints during the month of April and two odor complaints during the partial month of May. Mr. Kunert noted that since this report was written, two additional complaints were received. The full May number will be reported at the June Board meeting.

Dr. Downey indicated that an extensive discussion took place during the Construction Committee meeting regarding the increase in the number of odor complaints. Staff has a plan to address the odor issues. The plan includes decreasing solids, which creates H<sub>2</sub>S (which creates odors); increasing the pH in the Pepcon units; and replacing the carbon in the scrubber in the sludge cake receiving area, which is scheduled for this week.

Once the work on these items is completed, the residents who complained about the odors will be invited back to the plant site.

### Customer Septage and Sludge Deliveries

The quantity of sludge cake exceeded its budgeted amount for the month of April while liquid sludge and gray water were below their budgeted amounts.

Mr. Kantorek explained that there is a possibility that one of our new sludge customers may be canceling their contract with the Authority. Part of the reason is due to issues that the Authority was experiencing with its sludge facility (slag and leaking fly ash slurry line). In addition, it was taking this customer an unusually long period of time (in excess of an hour) to unload its truck.

Somerset Raritan Valley Sewerage Authority will continue to bring a portion of its sludge cake to SBRSA until the work on their large incinerator is completed.

### 545.10 Maintenance

Mr. Stewart reported that Nitrification Return Pump No. 1 was removed from service due to a leaking mechanical seal on January 31<sup>st</sup>. During the initial repairs the maintenance team discovered the scope of work also included a damaged shaft and impeller. The pump was sent to Shafts and Sleeves for repair. The shaft and seal were repaired and new bearings were installed with an Omega coupling between the motor and pump. The pump was installed and placed back into service on April 11<sup>th</sup> after a successful operational test.

Mr. Stewart indicated that while the maintenance team was conducting monthly Preventive Maintenance on May 2<sup>nd</sup> at the Princeton Pumping Station, the Emergency Generator failed to start. The cause of the failure was two starter batteries. Two replacement batteries were installed and the Emergency Generator was tested and put back into standby.

Mr. Stewart stated that MA Blower No. 1 in the Biofilter Building was put back into service on May 15<sup>th</sup> after several months of down time. The blower housing was replaced due to corrosion damage and new bearings and seals were also installed. The rotor was re-machined and a chemical resistant coating was added on the internal components to resist future corrosion. A new 150 hp motor was installed with help from Shafts and Sleeves along with associated piping for the blower.

Mr. Stewart noted that the current monthly open work requests stand at twenty-one (21). The preventative maintenance graphs show that SBRSA is currently averaging three (3) days overdue and the number of overdue units is approximately thirty-two (32).

#### 545.11 Construction Report

##### Phosphorous Impact Modeling Study

Ms. Pchola reported that staff discussed their comments with Kleinfelder. Kleinfelder will revise the report as appropriate and schedule a meeting with NJDEP.

##### 2017 Annual Inspection

Ms. Pchola indicated that the Annual Inspection (including the electrical inspection by AECOM) has been completed. The inspection report is expected to be completed by the end of June.

##### Information Technology Management Services

Ms. Pchola noted that staff has confirmed that EMA will be on site the week of July 10, 2017 to meet with our IT Department.

##### Data Center

Ms. Pchola noted that staff has provided GHD with our comments on the 90% complete contract documents. GHD is in the process of incorporating staff's comments. It is expected that this project will be advertised for bid by the end of May and awarded at the June 2017 Board meeting.

##### Millstone Force Main Condition Assessment

Ms. Pchola stated that with all field work completed by Pure Technologies, staff completed all restoration work required to conduct the force main inspection (replaced the concrete top slab on the top of the Influent Chamber and removed the fabricated wye fitting at the Millstone Pump Station for insertion of Pure's *SmartBall* and *PipeDiver*). It is expected that the draft report will be submitted by mid-July 2017.

### River Road Filtration/Disinfection Byproducts Compliance Study

Ms. Pchola indicated that Kleinfelder is continuing to work on the following;

- Evaluation of the membrane filtration option
- Filter rehabilitation and disc filter options
- Interface with various equipment manufacturers
- Develop budgetary capital cost estimates

Ms. Pchola noted that the project is approximately 35% complete.

### Millstone Pump Station Odor Abatement System Evaluation

Ms. Pchola reported that staff met with R3M on May 12, 2017 to provide our review comments on the draft report for the Evaluation of Odor Abatement Systems for the Millstone Pump Station. R3M will address our comments and provide the final report. In summary, the recommended alternative for odor control at the Millstone Pump Station is carbon adsorption in combination with a high velocity fan to be used when necessary (for example when personnel enter the pump station or during maintenance on the carbon unit or change out of the carbon media). The capital costs for both the manufactured biofilter and the wet scrubber options were more expensive than the carbon adsorber. In addition, the carbon adsorber requires little maintenance which is the preferred option with an unmanned facility like a pump station.

Ms. Pchola indicated that once R3M submits the final report staff will request that R3M submit a proposal for the design of the new system. It is expected that R3M's design proposal will be presented to the Board at the June 2017 meeting.

### Pennington WWTP Upgrade and Expansion

Ms. Pchola indicated that Kleinfelder continues to work on completing the contract documents. Kleinfelder submitted the Treatment Works Approval (TWA) application to NJDEP, continued to prepare the Delaware Raritan Canal Commission (DRCC) application, and prepared the Wetlands Transition Area Waiver application.

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

Ms. Pchola indicated that this project remains at 93% complete. There was no payment application submitted for the month of March (Pay Estimate No. 13 was the last pay estimate submitted by Thomas Controls, Inc. (TCI) for work completed through November 2016).

Ms. Pchola reported that on May 2, 2017 TCI and ENER-G-Rudox were on-site to inspect the generator and switchgear and develop a list of outstanding issues to be completed to allow the commissioning and start-up of the new generator and paralleling

switchgear so the project can move forward. TCI has indicated that the pre-commissioning work will begin the week of May 15, 2017.

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

Ms. Pchola stated that all information as required by NJDEP to provide Authorization of Award was submitted to NJDEP on May 4, 2017. Staff received the Authorization of Award from NJDEP on May 18, 2017. A copy of the letter from NJDEP was provided to the Board. Staff will move forward with the execution of the contract and scheduling the required meeting with NJDEP and the Office of Equal Opportunity (OEO) to address their requirements for the project.

#### Princeton Solar Project

Deliveries of material started the week of May 1st. GeoPeak Energy provided a project schedule to all parties involved. Below is a summary of the milestones:

Task	Start Date
Mobilization/Site Preparation	May 1st
Pre-Commissioning/Testing	June 19th
Final Municipal Inspection	June 26th
Mechanical Completion	June 30th
Commercial Operation	July 30th
Substantial Completion	August 15th
Final Completion	September 1st

During the first three weeks of May the installation contractor completed the following: mobilization, began the installation of the solar panel mounting system, clearing and rough layout for the new SBRSA switchgear, and installation of one 4-inch underground conduit for the SBRSA switchgear. Princeton is in the process of completing the grading and leveling of the landfill area to be used by the solar panel field.

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

Ms. Pchola indicated that the contractor, Allied Construction Group, Inc. (Allied), continues the process of submitting shop drawings. Allied Construction expects to begin the installation of the new mixers by mid-June with the completion of the project tentatively scheduled for early October.

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

Ms. Pchola reported that this project stands at 50% complete. During the last reporting period, Iron Hills completed the installation of Drive No. 2, VFD No. 2 and all associated conduit and wiring for Drive No. 2. A representative of the gear manufacturer, Industrial Furnace Company (IFCO) was on-site on May 16, 2016 to inspect the installation of the

new drive gears. The initial 24-hour run of the drive and gearing is scheduled for May 18, 2017.

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

Ms. Pchola reported that on May 15, 2017 the carbon media retention baskets were received. The carbon change-out for the Sludge Cake Receiving Facility and the Millstone Pump Station are scheduled for May 24<sup>th</sup> and 25<sup>th</sup>, respectively.

#### CEMS Carbon Monoxide Analyzer Replacement

Ms. Pchola reported that staff received the revised PST reports from PACE Environmental on May 10, 2017. Based on our review of the summary reports, it appears that Incinerator No. 2 operating with the Afterburner has passed the PST (previous versions of the reports indicated that this operating scenario did not pass). Staff is in the process of reviewing the report prior to submission to NJDEP.

#### 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 influent meter was provided to the Board.

#### Information Technology

Mr. Thomas reported that training for maintenance personnel on mPulse8 (newest version) continues from last month. Staff was able to switch over to the new platform. Training for the other SBRSA Departments will be initiated.

Mr. Thomas noted that with all the alerts of Ransomware outbreaks in the news, IT has been proactive, attending various webinars regarding new protection methods and software.

### 545.12 Finance Report

#### Payment of Bills and Claims

Mr. Morehouse moved for approval of Resolution 2017-31 for the payment of bills and claims in the amount of \$1,280,992.38 with two signatures instead of three. The motion was seconded by Dr. Downey and passed by a roll call vote of 5 to 0. Resolution 2017-31 follows.



**Resolution Regarding Payment of Bills and Claims**

**Resolution No. 2017-31**

**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 **\$1,280,992.38** 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 five-month period ending April 30, 2017 is \$355,568. Mr. Sears indicated that the Authority continues to receive sludge cake from Somerset Raritan Valley Sewerage Authority. The Authority has total cash and investments of \$17,333,109 at an average interest rate of 0.33%. The current construction projects balance is \$16,040,572. 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 June 1<sup>st</sup>. The New Jersey Cash Management Fund yield is 0.19%.

Monthly Sludge Business Analysis

Mr. Sears reported that net income for the month of April is \$131,538 and the cumulative net income is \$656,608.

545.13 Personnel Report

The Personnel Report was provided for member information.

545.14 Correspondence

For information.

545.15 Old Business

None

545.16 New Business

Resolution 2017-33, Rejecting All Bids for Hauling and Disposal of Grit and Screenings and Authorizing Re-Advertisement

Mr. Kantorek indicated that there is a revision regarding the bids for the Hauling and Disposal of grit and screenings. Staff asked Ms. Alexander to review the documents. because there was a different name on the bid bond than the name on the rest of the bid documents. Ms. Alexander found a different issue of greater concern. After several discussions with the initial low bidder and their attorney, there is a new recommendation.

Ms. Alexander indicated that the issue is that public agencies are not allowed to enter into a contract without an Ownership Disclosure Statement. That Ownership Disclosure Statement must accompany the bid. If it does not, it is a material defect and cannot be waived. When Ms. Alexander reviewed the Ownership Disclosure form provided in the bid she determined that it was deficient and also Jetsam's response to our form was deficient. Jetsam's attorney indicated that they provided what was asked for in the bid. However, SBRSA cannot ignore the fact that an Ownership Disclosure Statement is needed.

Ms. Alexander indicated that her recommendation is to reject all bids and fix the form and rebid the contract. Mr. Kantorek indicated that he agreed with Ms. Alexander.

Mr. Patel moved for approval of Resolution 2017-33, Rejecting all Bids for Hauling and Disposal of Grit and Screenings and Authorizing Re-advertisement. The motion was seconded by Dr. Downey and passed by a roll call vote of 5 to 0. Resolution 2017-33 follows.

**RESOLUTION REJECTING ALL BIDS FOR HAULING AND DISPOSAL OF GRIT AND SCREENINGS AND AUTHORIZING READVERTISEMENT**

**Resolution No. 2017-33**

**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 May 17, 2017, as more fully set forth in the attached Bid Tabulation Sheet:

**(12 Months)**

	Tipping Fee	Hauling Fee	Total Price
Freehold Cartage, Inc.	\$17,125.00	\$16,812.50	\$33,937.50
Russell Reid	\$16,000.00	\$17,175.00	\$33,175.00
LMR Disposal LLC	\$18,000.00	\$16,000.00	\$34,000.00
Jetsam Hauling LLC	\$16,500.00	\$12,580.00	\$29,080.00
Gary W. Gray Trucking	\$17,500.00	\$18,125.00	\$35,625.00

**(24 Months)**

	Tipping Fee	Hauling Fee	Total Price
Freehold Cartage, Inc.	\$34,500.00	\$33,625.00	\$68,125.00
Russell Reid	\$32,000.00	\$34,350.00	\$66,350.00
LMR Disposal LLC	\$36,000.00	\$32,000.00	\$68,000.00
Jetsam Hauling LLC	\$33,800.00	\$25,500.00	\$59,300.00
Gary W. Gray Trucking	\$35,000.00	\$36,250.00	\$71,250.00

**WHEREAS**, the SBRSA has reviewed the bids received 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

**WHEREAS**, it is necessary to substantially revise the specifications to revise the ownership disclosure statement to comply with the statutory requirements at N.J.S.A. 52:25-24.2, and in order to ensure a fair process for all bidders; and

**WHEREAS**, N.J.S.A. 40A:11-13.2 authorizes the Authority to reject all bids in that circumstance; and

**WHEREAS**, the Authority desires to reject all bids pursuant to N.J.S.A. 40A:11-13.2 in order to revise the bid specifications.

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

1. The Authority hereby rejects all bids received on May 17, 2017, for the hauling and disposal of grit and screenings, in accordance with N.J.S.A. 40A:11-13.2, in order to substantially revise the specifications.

2. The Executive Director, staff and consultants are authorized and directed to substantially revise the bid specifications for the hauling and disposal of grit and screenings and advertise for the receipt of sealed competitive bids pursuant to the requirements of the Local Public Contracts Law, N.J.S.A. 40A:11-1 et seq.

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			

545.17 Open to the Public

545.18 And such other issues as may come before the Board

None.

545.19 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 8:45 p.m. on a motion by Mr. Patel, seconded by Dr. Downey and passed by unanimous vote.

Respectfully Submitted,

John Kantorek  
Secretary

Recorded and Written by  
Patricia Carlino  
June 20, 2017