

Minutes of Meeting #541, January 23, 2017 – Stony Brook Regional Sewerage Authority

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

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

MEMBERS ABSENT: Patel

CONSULTANTS: Alexander

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

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

541.02 Approval of Minutes

The minutes from the December 19, 2016 Board meeting were approved as presented on a motion by Dr. Downey, seconded by Mr. Goldfarb and passed by a vote of 5 to 0.

541.03 Board Related Activities

Appointment of the Nominating Committee

In preparation for February's reorganization meeting, Chairman Bartolini appointed the Personnel Committee as the Nominating Committee.

Consultant List

The Consultant List was provided for information. There were no contracts pending award.

541.04 Planning and Administration

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 8,510,663 gpd with 851,427 gpd of approved but inoperative flow for a total committed flow of 9,362,090 gpd with 3,697,910 gpd or 28.31% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 212,598 gpd with no inoperative flow, for a total committed flow of 212,598 gpd with 29.13% or 87,402 gpd of available capacity. The Pennington Plant presently has 228,308 gpd as the most current 12-month average daily flow, with 31,617 gpd of approved but inoperative flow, for a total committed flow of 259,925 gpd, with 13.36% or 40,075 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. Although the report shows that Pennington STP has 40,075 gpd of available capacity it is only because of the continued dry weather conditions. The actual number is approximately 2,500 gpd of available capacity once we return to normal groundwater and weather conditions.

Regarding the BMS property, Mr. Goldfarb asked if staff has determined if the 25,000 gpd of capacity stays with the property in the event it is sold. Staff indicated that they are still researching this issue. Dr. Downey noted that it will be four (4) years before BMS vacates the site. BMS will market the site and the Authority will need to know if the capacity stays with the site.

#### Monthly Flow Transmittal

The monthly flow transmittal for December was provided for information. Mr. Kantorek noted all meter adjustments were within the  $\pm 5\%$  range.

### 541.05 Approval Requests and Actions

#### TWA-1 Approvals

None.

#### Water Quality Management Plan Amendments

None

#### Allocated Flow Update

None.

### 541.06 Regulatory Report

#### Discharge Monitoring Report (DMR)

Mr. Rahimi reported that the Discharge Monitoring Reports for the month of November were submitted to the NJDEP on their online portal. No violations were reported.

Mr. Rahimi indicated that staff is in the process of reviewing the December DMRs.

Mr. Rahimi reported that the River Road Effluent Semi-annual Surface Water Discharge Waste Characterization Report was submitted to the NJDEP. This report details the priority pollutants that have been historically present in the facility effluent. All values were at their expected levels.

Mr. Rahimi indicated that the quarterly bioassay for the River Road WWTP was conducted in November and reported to NJDEP on December 21, 2016. The result for this study was >100%.

#### Residuals Discharge Monitoring Report (RDMR)

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

Mr. Rahimi reported that staff is currently reviewing the November RDMRs.

#### Air Reporting

Mr. Rahimi indicated that the 2016 Annual Belt Filter Press Report was submitted to the NJDEP. This report calculates the hourly and annual emissions rates for formaldehyde, benzene, vinyl chloride, chloroform, carbon tetrachloride, 1,1,1 trichloroethane, methylene chloride, tetrachloroethylene, trichloroethylene, toluene and xylenes. The calculated emissions were less than the Title V Permit limits.

Mr. Rahimi reported that staff is currently reviewing the 4<sup>th</sup> quarter 2016 Excess Emissions and Monitoring Report.

Mr. Rahimi indicated that staff is in the process of reviewing the federal 40 CFR 60 Subpart O 2016 Semi-annual Reports.

Mr. Rahimi reported that staff is currently preparing the 2016 combined Semi-annual and Annual Title V Compliance reports.

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

- On November 28, 2016 in accordance with 40 CFR 62 subpart LLL §62.16010(a) staff was conducting the annual inspection of the new Venturipak scrubber for the first time for Incinerator No. 2. As part of the newly prepared standard operating procedure (SOP) for this work, staff stopped feed and completed sludge combustion within the incinerator. However instead of shutting off the burners in the incinerator first, staff shut off the induced draft (ID) fan. There is an interlock between the ID Fan and the bypass damper resulting in the bypass damper opening while the burners were still lit.
- December 10, 2016 while conducting the required annual inspection of the new Venturipak scrubber for Incinerator No. 1 for the first time we received a scrubber water high level alarm for the on-line Incinerator which resulted in sludge feed to stop. However, there was sludge combustion in the incinerator when the bypass stack damper opened and the valve to the RTO closed and the valve to the Afterburner opened with the temperature in the Afterburner below 1500 deg. F.

- On December 16, 17 and 20, 2016 we were having issues with accumulation of water in the air line from the compressor which effected the RTO fresh air inlet damper actuator. On all three occasions we received a fault that caused the fresh air inlet damper to open. As a result of the RTO open air inlet damper, the valve that directs air flow to the RTO closed and the valve to the Afterburner opened. There was sludge combustion in the Incinerator with the temperature below 1500 deg. F in the Afterburner. After each incident maintenance staff removed the moisture from the system. The issue is believed to be due to the cold temperatures and issues with the air dryer for the compressed air system.
- On December 19, 2016 staff was in the process of attempting to re-establish communications with the RTO. In the process of restarting the RTO, the induced draft (ID) fan tripped causing the bypass damper to open. At the time there was no sludge combustion in the incinerator. However, the incinerator burners were lit.

Mr. Goldfarb questioned the Affirmative Defense for the November 10, 2016 incident. Mr. Goldfarb asked if staff wrote the SOP and did not follow it. Ms. Pchola indicated that this was the first time that operations staff was conducting this procedure. Mr. Ireland explained that at the time the other scrubber was in operation. Mr. Ireland further explained that Operations staff started the offline scrubber first instead of first shutting off the burners in the incinerator. The procedure has been modified to shut off the burners first before putting the scrubbers back into operation.

#### Miscellaneous

Mr. Rahimi reported that on Thursday January 11, 2017 Towana Joseph and Neal Johansen from USEPA Region 2, Monitoring and Assessment Branch, visited the River Road facility on an unscheduled visit.

Mr. Rahimi indicated that they reviewed the Authority's sampling procedure, QA/QC in the laboratory, the reported 2016 DMRs and general plant operations. They also set up portable samplers at the River Road WWTP influent and effluent locations for twenty-four-hour composite samples that were collected on the next day.

#### 541.07 Safety

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

Ms. Pchola noted that as of January 17, 2017, Stony Brook Regional Sewerage Authority has gone 195 consecutive days without a "Lost Time Accident".

Ms. Pchola indicated that on December 21, 2016 an employee was injured while moving a motorized valve. The valve pivoted and landed on the employee's right foot. The employee received medical attention and was placed on modified duty until January 11, 2017 when he was cleared for full duty.

Ms. Pchola indicated that on December 8, 2016 the annual fire inspection was conducted for the River Road WWTP and the Princeton Pump Station by the Princeton Bureau of Fire Safety. A copy of the report with the notice of violations and order to correct reports were provided to the Board. There are three areas where storage of combustible materials must be removed: 1) the Chemical Building Motor Control Center (MCC) room, 2) underneath the north stairwell of the Operations Building and 3) the second level of the drywell portion of Princeton Pump Station. Staff requested a 30-day extension to abate this violation while we can determine where the materials can be safely stored. Staff also requested a 30-day extension for the exit sign not illuminating in the Chemical Building. The new emergency lighting and signage, installed as part of Contract 14-1 Emergency Generator Project, will be completed by the contractor within the next 30 days.

The following violations that were abated include:

- The trouble alarm indicating a smoke detector malfunction on the fire panel at the Biofilter Building. Staff had Survivor Fire replace the smoke detector and return the fire panel to normal,
- The CEMS room power strips and cords. All fixtures have been cleaned or removed/replaced. The power cords behind the desk have been sorted and cleaned. Staff will provide additional clean-up when there is incinerator downtime.
- The compressed gas containers for the SCBA's have been secured to the wall of the CEMS's room.
- The sprinkler piping internal cleaning in the caustic area in the Operations Building basement was conducted by Fyr-Fyter and a copy of the report was submitted to the fire inspector.

Ms. Pchola reported that on December 21, 2016 staff held its quarterly safety meeting. A copy of the meeting minutes was provided to the Board.

Training for this reporting period included:

- Workplace safety 101 training was provided in-house on January 18, 2017 for our new maintenance employee.
- HAZCOM training was provided in-house for our new maintenance employee on January 18, 2017.

#### 541.08 Litigation

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

## 541.09 Operations Report

### River Road Facility

Mr. Kunert reported that the necessary repair work to Incinerator No. 1 was completed by Albertus Energy, Inc. On January 5, 2017 staff began drying out this incinerator and was ready for the stack test which is now complete. The incinerator is still operating with the afterburner while a calibration drift test is being performed. Once that test is completed, the incinerator will be switched back to the RTO.

Mr. Kunert indicated that on January 3, 2017, staff shut down all power to the River Road Treatment Plant for two (2) hours. This was required as part of the new emergency generator installation. During these plant shutdowns, all incoming wastewater is diverted into an empty Modified Aeration Tank and Clarifier. When the power is returned the tanks are dewatered to the head of the process.

Mr. Kunert reported that on January 11, 2017, an inspection of the River Road facility was conducted by the EPA. They set up composite samplers at the Influent and Effluent locations and the samplers/samples were picked up the following day. EPA also checked the Authority's Discharge Monitoring Reports (DMR's), our Lab procedures, and interviewed the Plant Manager. Staff believes that no problems were found.

### Upstream Facilities

Mr. Kunert reported that on January 8, 2017 the Hopewell STP Sludge Collector Drive for Clarifier No. 2 failed. The Clarifier was taken off-line and the NJDEP was notified. The following day it was found that the drive chain had fallen off due to a gear misalignment. The gears were re-aligned and the Clarifier was put back into service. The Clarifier being off-line overnight had no detrimental effect on the process including the effluent.

### Odor Report

Mr. Kunert reported that staff received no odor complaints during the month of December and no odor complaints for the partial month of the January 2017 reporting period.

### Customer Septage and Sludge Deliveries

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

## 541.10 Maintenance

Mr. Ireland reported that while investigating a low temperature alarm on the Hopewell Plant emergency generator on December 10, 2016, it was discovered that the engine water

heater jacket failed and caused the alarm. P3 Generator Services was called in to install a temporary water jacket until a new one could be purchased. On January 10, 2017, P3 Generator was onsite to install the new water jacket. Once installed it was tested and placed into service.

Mr. Ireland indicated that during routine maintenance of the South Brunswick Pump Station on December 12, 2016, the carbon scrubber was found to be making a loud noise during operation. The existing cover for the fan motor was found to be rattling and worn out. A new cover was fabricated from aluminum to replace the weathered PVC cover. After installing the new cover, the carbon scrubber was placed back into service.

Mr. Ireland reported that on December 19, 2016 a scheduled plant shut down for the River Road Facility was performed so the main plant generator could be put online to allow contractors to work on the substation for the upcoming Solar Project. During the operation of the generator, a low voltage alarm was received causing loss of power. After consulting with Highland Industrial Turbine Service (HITS), manual adjustments were made and power was restored. Once the substation work was completed and commercial power was restored, HITS found that a broken wire on the voltage potentiometer was the problem. A new voltage potentiometer was installed. Once tested and readjusted the generator was placed back into remote operation.

Mr. Ireland indicated that Schwing Pump No. 1 was removed from service on December 29, 2016 to replace the upper and lower poppet seats and hydraulic seals. Also the screw motor was missing a pinion gear. All new parts were installed from inventory and the pump was tested and placed back into operation. This pump is used to transfer dewatered sludge from receiving bin No. 1 to the storage bin.

Mr. Ireland reported that the current monthly open work requests stand at seventeen (17). The preventative maintenance graphs show that SBRSA is currently averaging three (3) days overdue and the number of overdue units is approximately thirty-eight (38).

#### 541.11 Construction Report

##### Phosphorous Impact Modeling Study

Ms. Pchola reported that Kleinfelder is in the process of preparing the report of their findings.

##### 2016 Annual Inspection

Ms. Pchola indicated that staff has provided the Board with a summary of the “Priority 1” items that Kleinfelder included in the 2016 Annual Inspection Report. The summary includes staff’s assessment of the items i.e. work completed or items that still need to be addressed. Priority 1 items are not items where equipment/structures are in danger of failure but are items that staff should be aware of and address in the near future. An extensive discussion regarding the summary took place at the Construction Committee.

### Data Center

Ms. Pchola noted that GHD provided staff with the 30% drawings for the data center. Staff is in the process of reviewing the drawings and has scheduled a meeting for February 2, 2017 with GHD to discuss our review and comments.

### Millstone Force Main Condition Assessment

Ms. Pchola reported that staff has started to have conversations with Pure Technologies regarding this project. Staff indicated to Pure that the flows have not yet increased and that we expect to conduct this work in late March to early April. Pure has indicated that there is a new project manager assigned to this project and that staff will have discussions with him at the end of January.

### River Road Filtration/Disinfection Byproducts Compliance Study

Ms. Pchola reported that Kleinfelder continues to coordinate with manufacturers of closed and open channel UV disinfection systems to obtain technical and budgetary cost proposals. Kleinfelder has developed an initial conceptual plan for installing the open channel UV equipment/system in one of the existing chlorine contact tanks.

Ms. Pchola indicated that Kleinfelder is also coordinating with the manufacturers of disc filters to obtain technical and budgetary cost proposals.

### Millstone Pump Station Odor Abatement System Evaluation

Ms. Pchola stated that staff completed the review of the proposals. One proposal provided an alternative that staff wanted to look into prior to making any decisions regarding the proposals. The additional information that we were seeking was provided on January 18, 2017. Staff will provide a recommendation at the February Board meeting.

### Contract 16-1 Schwing Pump Replacement Project

Ms. Pchola reported that NJDEP has completed their review of the contract documents. Discussions with our DEP reviewer indicated that the only outstanding item was the notification to the Office of Equal Opportunity (OEO) 30 days prior to anticipated advertisement date of the project. Staff has provided the OEO with the letter. A copy of the letter was provided to the Board. GHD is in the process of sending three copies of the contract documents to NJDEP for certification. Once certified by NJDEP they will provide SBRSA authorization to advertise. It is expected that this contract will be advertised for bid on February 7<sup>th</sup>, bids will be received on March 21st and awarded at the March 27, 2017 Board meeting.



### Pennington WWTP Upgrade and Expansion

Ms. Pchola reported that staff met with Kleinfelder on December 20, 2016 to discuss the 30% draft design documents. Following the meeting Kleinfelder has started to address SBRSA's comments including changing the number of primary clarifiers, adding a final clarifier influent flow distribution chamber and adding a cascade post aeration system. In addition, SBRSA requested adding odor control for the sludge storage tank and sludge thickener.

Ms. Pchola indicated that it is expected that the 90% draft documents will be submitted in early March 2017 for SBRSA to review.

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

Ms. Pchola indicated that this project stands at 93% complete. No payment application was submitted for the month of December. During the past reporting period, Thomas Controls, Inc. (TCI) performed the following work at the River Road facility: completed the installation of the new doors and door hardware at the Chemical Building. The natural gas generator manufacturer's representative (Rudox) was on-site one day to install the inter-connection cabling between the generator engine and generator local control panel (LCP) and complete a few modifications to the internal wiring of the LCP.

Ms. Pchola reported that during the period of January 3, 2017 through January 9, 2017, Highlands Industrial Turbine Service (HITS) completed the installation of a new shear coupling on the existing turbine emergency generator. The shear coupling is a protective device for the turbine engine. The design of the new emergency generator project requires that both generators, existing and new, operate in parallel. That means that when both units are in operation the output frequencies are matched. Should the frequencies of the two generators become mismatched during operation, the resulting torque on the shafts of the generators could be so severe as to cause the shafts to fail. The shear coupling is designed to fail "shear" before any damage to the engine shaft occurs.

Ms. Pchola indicated that while HITS is conducting the work on the shear coupling, the existing emergency generator will be out of service. SBRSA cannot be without an emergency generator in the event that there is a commercial power failure. Therefore, staff contracted with Rogers-Cipollono Electric to supply and install a temporary generator while HITS is conducting their work. In order to install and remove the temporary generator, all power to the River Road facility must be interrupted. The work is conducted in the early morning hours when flows are at their lowest. However, in order to be ready for the stack test that started on January 9, 2017 staff was unable to shut down operations/incineration to remove the temporary generator. Therefore, staff requested that Rogers-Cipollono provide SBRSA with a quote to retain the temporary generator until the stack test was completed. The cost to rent the generator is \$27,816 for the month of January (the one-week rental cost was \$14,954).

Staff recommended approval of Resolution 2017-02, Authorizing the Award of a "No Political Contributions Allowed" Contract to Rogers-Cipollono for the Supply and

Installation of a Temporary Emergency Generator. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolution 2017-02 follows.

**Resolution Authorizing Award of a “No Political Contributions Allowed” Contract to Rogers-Cipollono Electric, Inc. for the Supply and Installation of a Temporary Stand-by Generator**

**Resolution No. 2017-02**

**WHEREAS**, the Stony Brook Regional Sewerage Authority (“Authority”) is in the process of installing a new natural gas emergency generator at the River Road Wastewater Treatment Plant (RRWTP) under Contract 14-1, Emergency Generator Project; and

**WHEREAS**, as a result of the Emergency Generator Project a new shear coupling must be installed on the existing turbine emergency generator to protect the generator and turbine engine; and

**WHEREAS**, the Authority contracted with Highlands Industrial Turbine Service to install the new shear coupling; and

**WHEREAS**, to facilitate the installation of the new shear coupling, the existing turbine emergency generator must be removed from service for a period of one (1) week; and

**WHEREAS**, the Authority must, in accordance with its NJPDES permit, maintain an emergency stand-by generator to provide electrical power in the event of a commercial power failure; and

**WHEREAS**, the Authority, after receiving two competitive quotes, contracted with Rogers–Cipollono Electric, Inc. to supply and install a temporary stand-by generator for a period of one (1) week to provide emergency electrical power during the installation of the new shear coupling; and

**WHEREAS**, the installation of the temporary stand-by generator was completed on the morning of January 3, 2017; and

**WHEREAS**, the installation of the new shear coupling was completed on January 9, 2017; and

**WHEREAS**, on January 6, 2017 the Authority began preparation for the air compliance emissions testing for Incinerator No. 1; and

**WHEREAS**, in order to install or remove the temporary emergency stand-by generator all power to the River Road facility must be interrupted; and

**WHEREAS**, the interruption of facility power results in several hours of incinerator downtime; and

**WHEREAS**, on January 9, 2017 Authority staff determined that any interruption to the facility power would place the schedule and success of the air compliance emissions testing for Incinerator No. 1 at risk; and

**WHEREAS**, staff determined that the best course of action was to postpone the removal of the temporary stand-by emergency generator until after the completion of the air compliance emissions testing for Incinerator No. 1; and

**WHEREAS**, Rogers–Cipollono Electric, Inc. was asked to provide a new quote for the total rental time (four-weeks) for the temporary stand-by emergency generator; and

**WHEREAS**, Rogers–Cipollono Electric, Inc. provided a quote for the total rental time in the amount of \$27,816; and

**WHEREAS**, Rogers–Cipollono Electric, Inc. has a submitted a Business Entity Disclosure Certification for SBRSA Fiscal Year 2017 which certifies that Rogers–Cipollono Electric, 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 the 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 Rogers–Cipollono Electric, Inc.as described herein; and

**BE IT FURTHER RESOLVED** that the Business Disclosure Entity Certification and the Determination of Value is on file.

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

Ms. Pchola explained that on January 17, 2017 PSE&G completed the installation of the gas meter, regulators, and piping for the natural gas service to the new generator.

Ms. Pchola noted that the last critical path item to be completed to allow the start-up and commissioning of the new emergency generator and switchgear is the installation of the natural gas engine gas regulator. In mid-September 2016, PSE&G informed SBRSA/TCI that the installed regulator did not meet PSE&G's requirements for overpressure rating. Since mid-September, SBRSA staff and KLF have been working with Rudox, PSE&G, TCI, and the regulator manufacturer to gain approval of an alternate regulator. On January 4, 2017 PSE&G approved the alternate regulator and TCI/Rudox was informed to proceed with the installation of the new regulator. As of January 20, 2017 the new regulator has not been installed. TCI and SBRSA are continuing to work with Rudox to expedite the installation of the new regulator. It should be noted that the regulator that SBRSA is requesting Rudox/TCI to install is the regulator that was indicated in the approved shop drawing. The generator was delivered with a different regulator.

Ms. Pchola explained that the change order proposal for the substation modifications is still being negotiated with the TCI. On January 12, 2017 TCI submitted additional change order information as requested by Kleinfelder. TCI still needs to provide the substation modification shop drawing re-submittal for review and approval by KLF/AECOM. It is anticipated that this change order will be finalized and presented to the Board members at the February Authority Board meeting.

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

Ms. Pchola reported that on December 22, 2016 the system integrator completed the modifications to the PLC control system and the system was tested and placed into service. With the completion of this work the project is now 100% complete. The contractor has provided the one-year maintenance bond and has submitted the final payment application.

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

Ms. Pchola indicated that as discussed at last month's Board meeting, the second lowest bidder, Allied Construction Group, Inc., formally protested the award of the contract to the lowest bidder, Raymond Electrical Contractor, Inc., alleging that the low bidder did not name a Heating Ventilation Air Conditioning Refrigeration (HVACR) sub-contractor that met the requirements of the NJ Public Contract law. The issue was referred to the Authority counsel for review. A copy of a memorandum from Mr. Brent Carney, Esq. dated January 19, 2017 was provided to the Board. The memorandum offers counsel's legal opinion on the matter and recommendation of award of Contract 16-2 for the MA Tank Effluent Channel Mixer Project to Allied Construction Group, Inc. in the amount of \$389,900 through Resolution 2017-01.

Staff recommended approval of Resolution 2017-01, Authorizing the Award of Contract 16-2 for the MA Tank Effluent Channel Mixer Project. Dr. Downey indicated that this was discussed at the Construction Committee. Based on counsel's recommendation and

in accordance with the NJ Public Contract Law, Dr. Downey moved Resolution 2017-01. The motion was seconded by Mr. Goldfarb. Mr. Goldfarb asked if staff had contacted Raymond Electrical Contractor, Inc. to inform them that the contract is being awarded to Allied Construction Group. Ms. Pchola indicated that staff had not contacted Raymond Electrical pending the Board's decision tonight. However, Raymond Electrical is aware that Allied protested the bid. Mr. Goldfarb asked counsel if all the bids could be rejected. Ms. Alexander indicated that there is no basis to reject all the bids.

The resolution was then passed by a roll call vote of 5 to 0. Resolution 2017-01 follows.

**Resolution Authorizing the Award of Contract No. 16-2 for the  
MA Tank Effluent Channel Mixer Project**

**Resolution No. 2017-01**

**WHEREAS**, the Stony Brook Regional Sewerage Authority ("SBRSA") 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 MA Tank Effluent Channel Mixer Project, Contract No. 16-2; and

**WHEREAS**, the following bids were received by the Authority on December 14, 2016, as more fully set forth as follows:

Raymond Electrical Contractor, Inc.	\$378,500.00
Allied Construction Group, Inc.	\$389,900.00
Blooming Glen Contractors, Inc.	\$458,669.00
BR Welding, Inc.	\$460,000.00
C&H Industrial Services, Inc.	\$477,000.00; and

**WHEREAS**, the Authority has determined that the bid of Raymond Electrical Contractor, Inc., the alleged lowest bidder, did not identify a subcontractor for the performance of HVACR work at the time of bid and Raymond Electrical Contractor, Inc. is not a Master HVACR Contractor in accordance with N.J.S.A. 45:16A-2 and N.J.S.A. 45:16A-7 and therefore cannot self-perform the HVACR work; and

**WHEREAS**, as more fully set forth in the memorandum from Brent Carney, Esq., Maraziti Falcon LLP, counsel to the SBRSA, dated January 19, 2017, pursuant to N.J.S.A. 40A:11-23.2, the failure to identify the subcontractor for the HVACR work at the time of bid is a material fatal defect that renders the bid proposal of Raymond Electrical Contractor, Inc. unresponsive; and

**WHEREAS**, the bid submitted by Allied Construction Group, Inc. in the amount of \$389,900.00 has been reviewed by the Authority's staff and legal counsel and has been

determined to be in compliance with the bid specifications in accordance with the Local Public Contracts Law N.J.S.A. 40A:11-1 et seq.; and

**WHEREAS**, the SBRSA has sufficient funds available in its current budget for these purposes.

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

1. The bid of Raymond Electrical Contractor, Inc. is rejected in accordance with N.J.S.A. 40A:11-23.2, for failure to identify the subcontractor for the HVACR work at the time of bid, as required by the Local Public Contracts Law.
2. The Stony Brook Regional Sewerage Authority hereby awards to Allied Construction Group, Inc. the MA Tank Effluent Channel Mixer Project, Contract No. 16-2, as the lowest responsible and responsive bidder, in the amount not to exceed the bid price of \$389,900.00.
3. The Executive Director is authorized to execute the MA Tank Effluent Channel Mixer Project, Contract No. 16-2 with Allied Construction Group, Inc., in the amount not to exceed the bid price of \$389,900.00, and the Executive Director is authorized and directed to execute any other necessary documentation and to take all other actions necessary or desirable to effectuate the terms and conditions of 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

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

Ms. Pchola reported that as of Pay Estimate No. 3 this project stands at 85% complete. During the past reporting period, Meridian completed the installation of all conduit, wire, and devices at the Hopewell treatment plant, installed the Fire Alarm Control Panel (FACP) at Hopewell and completed manufacturer’s start-up and commissioning of the alarm system at Hopewell. In addition, Meridian completed the installation of the FACP at Pennington treatment plant. Start-up and commission of the Pennington system is tentatively scheduled for the week of January 23, 2017. During the start-up of the new alarm system, several of the existing door switches and window sensors for the security side of the alarm system were found to be damaged or missing. In addition, the existing door and window devices are old technology and cannot fully utilize the functionality of

the new alarm system. The system manufacturer, Red Hawk, was asked to provide a quote to replace all existing door switches and window sensors for both Hopewell and Pennington. The cost and status of the implementation of the new devices will be included in next month's Board report.

Contract 16-4, Incinerator Center Shaft Drive Replacement

Ms. Pchola reported that Iron Hills Construction continues to submit shop drawings and the project is still on track to be completed in early summer 2017.

Contract 17-2, Odor Control Systems Carbon Replacement Project

Ms. Pchola indicated that bids for the Carbon Replacement Project for replacing the carbon in the sludge cake receiving carbon adsorber and the Millstone Pump Station carbon adsorber were received and opened on January 18, 2017. Of the six (6) potential bidders, three (3) bids were received in amounts ranging from \$27,854 to \$82,814.

Ms. Pchola reported that the low bidder, Calgon Carbon Corp., provided all required documentation with their bid. Calgon Carbon Corp. has satisfactorily performed this work for the Authority in the past.

Staff recommended award of Contract 17-2 Odor Control Systems Carbon Replacement Project to Calgon Carbon Corp. in the amount of \$27,854. Resolution 2017-04 was moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolution 2017-04 follows.

**Resolution Authorizing the Award of Contract 17-2  
Odor Control Systems Carbon Replacement Project to Calgon Carbon Corp**

**Resolution No. 2017-04**

**WHEREAS**, the Stony Brook Regional Sewerage Authority (Authority) advertised for the receipt of sealed competitive bids in accordance with the requirements of the Local Public Contracts Law, N.J.S.A. 40A:11-1 et seq. for the "Odor Control Systems Carbon Replacement Project, Contract 17-2"; and

**WHEREAS**, sealed competitive bids were received by the Authority on January 18, 2017, as more fully set forth as attached; and

**WHEREAS**, the Authority has determined that the bid of Calgon Carbon Corp is the lowest bid in the amount of \$27,854; and

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

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

**NOW, THEREFORE, BE IT RESOLVED** by the Stony Brook Regional Sewerage Authority that it hereby awards the contract to Calgon Carbon Corp, the lowest responsive bidder; for the Odor Control Systems Carbon Replacement Project, Contract 17-2 in the amount of \$27,854; and

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

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

**STONY BROOK REGIONAL SEWERAGE AUTHORITY  
CONTRACT 17-2 ODOR CONTROL SYSTEMS CARBON REPLACEMENT  
PROJECT BID SUMMARY**

<i>Bidder</i>	<i>Bid Amount</i>
Calgon Carbon Corp 3000 GSK Drive Moon Township, PA 15108	\$27,854.00
General Carbon Corp 33 Paterson Street Paterson, NJ 07051	\$42,000.00
Nichem Company 750 Frelinghuysen Avenue Newark, NJ 07114	\$82,814.00

CEMS Carbon Monoxide Analyzer Replacement

Ms. Pchola indicated that on January 17, 2017 staff met with Mr. Neil Nissim from the NJDEP, Bureau of Technical Services (BTS), now known as Emission Monitoring Section (EMS) who is completing the review of the CO analyzer Performance Specification Test (PST). Mr. Nissim indicated that the test report was missing some data and had concerns regarding the applicability of the performance specification standard used for the calculations. This information was passed along to PACE Environmental who conducted the PST. PACE contacted Mr. Nissim to clarify the questions and additional data being requested. As a result, PACE Environmental will complete a new PST report that will be submitted to EMS for review and approval. The new report should be ready for Authority review the week of January 30, 2017.



Ms. Pchola explained that based on the discussions with Mr. Nissim, staff met with Mr. Karl Monninger of KEMS. Mr. Monninger was on-site coordinating the completion of the air emissions compliance testing (stack test) for Incinerator No. 1. Mr. Monninger suggested that since Montrose Environmental was on-site performing the stack test, that we have Montrose complete another RATA test for Incinerator No. 1 under the two operating scenarios. The new RATA data along with the 7-day calibration drift test data (provided by SBRSA) could be used to complete another PST report. This is a precautionary action allowing SBRSA to cost effectively obtain the necessary test data should the results submitted by PACE Environmental not be accepted by EMS. The estimated cost to perform the RATA and provide a new PST report for Incinerator No. 1 with both operating scenarios is \$3,250. A copy of the quote from Montrose dated January 19, 2017 was provided to the Board.

#### Plant Influent Flow Meter

Ms. Pchola explained that SBRSA staff continues with the calibration checks on the two flow transmitters to establish historical accuracy data on each transmitter. The historical (since June 2016) “as-found” error for the low-side transmitter has ranged from 8.6% to -5.3% and the error for the high-side transmitter has ranged from 4.24% to -3.66%. The December “as-found” error for the low side transmitter range was 8.6% to -4.07 and for the high side transmitter range 0.41% to -3.66%. Staff will continue to collect weekly data. 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 the two new servers that were received last month are in place and staff migrated the data to the servers.

Mr. Thomas indicated that the completion of cleaning and organizing network and power cables in the CEMs room per the fire inspection report will be conducted pending an incinerator burnout. Many of the power cables have already been organized and the area cleaned up but the remainder of the work cannot be completed until we burnout and shut off all burners in the incinerator.

Mr. Thomas indicated that staff began testing/demo a replacement (Trend Micro) for the current end-point security software. The current software (Symantec) has been known to cause some persistent issues for users.

Mr. Thomas stated that staff began work on a network configuration for secure Wi-Fi and a test access point has been ordered. This will also provide coverage for laptops used during training in the conference room.

Mr. Thomas reported that the IT staff attended an ‘Essentials of Security – IT Workshop’ hosted by the Association of Environmental Authorities at Ocean County Utilities Authority. The seminar included speakers from the Department of Homeland Security/Industrial Controls System-Cyber Emergency Response Team and the New Jersey Office of Homeland Security Preparedness. Topics included industrial control

system risks and information on available Department of Homeland Security programs, facility security, available best practices guide, system survey tools, etc.

Mr. Goldfarb asked if sewer treatment plants are at risk. Mr. Kantorek indicated that sewer treatment plants are considered high risk.

541.12 Finance Report

Payment of Bills and Claims

Mr. Morehouse moved for approval of Resolution 2017-03 for the payment of bills and claims in the amount of \$1,023,470.37 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 2017-03 follows.

**Resolution Regarding Payment of Bills and Claims**

**Resolution No. 2017-03**

**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 **\$1,023,470.37** 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 first month of the new fiscal year is a loss of \$134,148. 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 \$17,162,730 at an average interest rate of 0.35%. The current construction projects balance is \$17,737,171. Mr. Sears noted there are sufficient funds for these projects. The outstanding bond principal balance is \$20,342,956. A payment of \$66,500 was made on December 1, 2016. The New Jersey Cash Management Fund yield is 0.15%.

Mr. Goldfarb asked what caused the deficit in net income. Mr. Sears indicated that repairs to the incinerator were a cause for the deficit. Mr. Sears explained that the cost for the repairs is 50% of that line item whereas the analysis is one-twelfth of that line item's budgeted amount.

#### Monthly Sludge Business Analysis

Mr. Sears reported that net income and cumulative net income for the month of December is \$146,257.

#### 541.13 Personnel Report

The Personnel Report was provided for member information.

Mr. Kantorek reported that a Mechanic III was hired and began work on January 16, 2017. The Authority is at its budgeted compliment of 46 employees. However, the custodian will be retiring effective February 1<sup>st</sup>. Staff has not decided whether or not to fill that position.

#### 541.14 Correspondence

For information.

#### 541.15 Old Business

None

#### 541.16 New Business

##### Resolution 2017-06, Award of Contract with Pollution Control Financing Authority of Warren County for the Disposal of Ash

Mr. Kantorek indicated that no action will take place tonight on the contract with Pollution Control Financing Authority of Warren County (PCFA).

Due to an increase in the tipping fee at PCFA, staff was in the process of looking for alternative sites to dispose of our ash.

However, staff has recently learned that PFCA is no longer using our ash as daily cover. Utilizing our ash as daily cover is considered beneficial use and therefore the ash is not required to go through the Mercer County Improvement Authority (MCIA) transfer station prior to the ultimate disposal.

In an effort to determine alternative facilities for disposal of our ash, staff has spoken to DEP, our consultants, and PFCA. Mr. Kantorek indicated that he had also called Mercer County Improvement Authority (MCIA) but has not yet received a call back.

We believe that if the waste is designated for beneficial use then that waste would not be required to go through MCIA. This means that our hauler would not need to go to the MCIA where the ash would be weighed and then transported to a facility for disposal at a charge of \$110 per ton plus the hauling cost. In comparison if we would go directly to PCFA the charge to SBRSA would be \$69 per ton. Therefore, staff is trying to determine/verify that if our ash is no longer being used as daily cover would it need to go through the MCIA weigh station.

Mercer County's Solid Waste Plan contains ID 27 I which is for ash. However, the permit and rate charge does not include ID 27 I. Due to that discrepancy, staff wants to speak with MCIA before making any decision with PCFA.

The Authority's current contract with PCFA expires on February 28, 2017. Our Board meeting is February 27<sup>th</sup> which gives staff time to speak with MCIA. Staff is also looking for a facility that would use our ash as daily cover.

A discussion followed regarding where other facilities take their ash, the cost for disposal and beneficial use.

Staff will provide the Board more information at the February Board meeting.

#### Award of Sludge Contract

The Board approved a three-year contract agreement with Two Rivers Water Reclamation Authority on a motion by Dr. Downey, seconded by Mr. Compton and passed by a vote of 5 to 0.

#### 541.17 Open to the Public

Mr. Lang Funchers, Shop Steward, representing Local 172 addressed the Board. Mr. Funchers indicated that the front line workers feel that the Authority does not invest in the workers. Mr. Funchers noted that they are in the midst of contract negotiations with management.

Mr. Funchers stated that most of the communities you represent provide retirement health benefits to their workers and the Authority employees do not have that benefit. Mr. Funchers added that some good will would be good for the employee's morale.

Mr. Goldfarb indicated that it is true that their communities have provided that benefit to its workers. However, the Authority does not provide those retirement benefits to the Authority employees.

541.18 And such other issues as may come before the Board

None.

541.19 Executive Session

The Board entered into Executive Session at 8:18 pm to discuss contract negotiations on a motion by Dr. Downey, seconded by Mr. Compton and passed by unanimous vote.

Report of Executive Session

The Board was updated on the status of the Union Contract Negotiations. Mr. Kantorek advised the Board that there was an impasse in wage increases and reduction of health insurance payments. The Board provided Mr. Kantorek with a general approval of his present negotiation plan.

Return from Executive Session

The Board returned from Executive Session at 8:50 pm on a motion by Dr. Downey, seconded by Mr. Compton and passed by unanimous vote.

541.20 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 8:51 p.m. on a motion by Dr. Downey, seconded by Mr. Compton and passed by unanimous vote.

Respectfully Submitted,

John Kantorek  
Secretary

Recorded and Written by  
Patricia Carlino  
January 16, 2017