

Minutes of Meeting #506, February 24, 2014 – 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, Cespedes, Coleman, Hess, Ireland, Irizarry, Kantorek, Kunert, Neuhof, Pchola, Rahimi, Redding

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

506.02 Approval of Minutes

Chairman Bartolini asked for comments/questions on the minutes of the January 27, 2014 Board meeting. Mr. Kantorek explained that corrections were made on pages 16 and 17. On page 16, the first paragraph, at the end of the third line ranged was spelled incorrectly. In the same paragraph, line four, a comma has been added following the word "out". On page 17, first paragraph, first sentence a comma was added after the word "weeks". Mr. Goldfarb noted a correction on page 3, last paragraph. Mr. Goldfarb indicated that he did not mean to infer that Facility Housing Wastewater Conveyance System was experiencing "financial" difficulties and asked that the word financial be taken out of the sentence. The minutes were then approved as amended on a motion by Dr. Downey, seconded by Mr. Compton and passed by a vote of 5 to 0.

506.03 Board Related Activities

Election of Officers for 2014

Mr. Compton, Chairperson of the Personnel Committee, nominated the following slate of officers for 2014:

Robert A. Bartolini, Chairman
Gale D. Downey, Vice Chairman
C. Schuyler Morehouse, Treasurer
John Kantorek, Secretary
Patricia Carlino, Assistant Secretary

The slate of officers were elected on a motion by Dr. Downey, seconded by Mr. Compton and passed by a vote of 5 to 0.

Committee Assignments

Chairman Bartolini reviewed the Committee Assignment policy. Chairman Bartolini then made the following Committee assignments for 2014:

Construction Committee

Gale D. Downey, Chairperson
Harry Compton
David A. Goldfarb

Finance Committee

C. Schuyler Morehouse, Chairperson
Bharat Patel

Personnel Committee

Harry Compton, Chairperson
Bharat Patel

Oversight Liaison

David A. Goldfarb

Resolution 2014-08, To Authorize the Defense and Indemnification of the Members and Employees of the Stony Brook Regional Sewerage Authority

Mr. Kantorek explained that Resolution 2013-04 provides protection for each past and present member and employee from the monetary costs of fines, penalties, damages, settlements, costs and legal fees associated with the defense of any civil or criminal actions which may be brought against SBRSA or any such member or employee, as the result of any action(s) or omission(s) relating to the duties of such members or employees to SBRSA.

Mr. Goldfarb expressed his concern over the language where the Authority may refuse to provide for the defense or to indemnify an employee. Mr. Goldfarb asked if the Resolution is one that is recommended by the Authority's insurance carrier. Ms. Alexander indicated that the resolution is the one that is recommended by the Authority's counsel.

Following a discussion regarding the language in the resolution, Resolution 2014-08 was approved on a motion by Mr. Morehouse, seconded by Dr. Downey and passed by a roll call vote of 5 to 0. Resolution 2014-08 follows.

**Resolution to Authorize the Defense and Indemnification of the Members and
Employees of the Stony Brook Regional Sewerage Authority**

Resolution No. 2014-08

WHEREAS, there exists a need to protect each past and present member and employee of the Stony Brook Regional Sewerage Authority ("SBRSA") from the monetary costs of fines, penalties, damages, settlements, costs and legal fees associated with the defense of any civil or criminal actions which may be brought against the SBRSA, or any such member or employee, as the result of any action(s) or omission(s) relating to the duties of such member or employee to the SBRSA; and

WHEREAS, the SBRSA desires to provide such protection for each past and present member and employee from the financial consequences of any such civil or criminal action to the extent permitted by law and, therefore, provided that such alleged action or omission does not constitute actual fraud, actual malice, willful misconduct or an intentional wrong in the judgment of the SBRSA;

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

1. The SBRSA shall, to the extent permitted by law, provide a defense and indemnification to the past and present members and employees of the SBRSA and, therefore, shall pay or otherwise reimburse each past and present member and employee of the SBRSA for all fines, penalties, damages, costs and legal fees associated with any civil or criminal action which may be brought against such member or employee based upon an act or omission of that member or employee arising out of and directly relating to the lawful exercise of his or her official duties or under color of his or her authority.

2. In any case where the SBRSA provides a defense to a member or employee, it is authorized and directed to make direct payments to counsel or reimburse the member or employee for the costs associated with his or her defense upon the approval by the SBRSA of proper vouchers submitted therefore, but in no case shall the SBRSA be authorized to pay or reimburse for legal fees and expenses exceeding those customarily charged for legal services in the defense of such actions.

3. For the purpose of this Resolution, the term "member" shall include any and all persons appointed by the governing bodies of the constituent municipalities pursuant to N.J.S.A. 40:14A-4

4. Any person seeking the provision of a defense and indemnification under the policy enunciated in this Resolution shall give prompt notice to the SBRSA of the pendency of any such civil or criminal action for which payment or reimbursement is sought, at which time the SBRSA shall by Resolution implement the provisions set forth herein.

5. It is within the sole discretion of the SBRSA, in any action where the provision of such a defense and indemnification is sought by a member or employee, to:

- a.** Provide a defense by an attorney chosen by the SBRSA;
- b.** Provide a defense by an attorney of the member or employee's choosing; or
- c.** Assert the SBRSA's right under any appropriate insurance policy which requires the insurer to defend and indemnify.

6. Notwithstanding the foregoing, the SBRSA may refuse to provide for the defense or to indemnify any past and present member or employee of the SBRSA in any action referred to above or may recover any amounts paid on behalf of such member or employee for such defense if in its sole discretion it has reason to conclude that the act or omission was:

- a.** Not within the scope of such member or employee's duties or was carried out in an individual capacity;
- b.** The subject matter of any action brought by the SBRSA against the member or employee;
- c.** A violation of the Local Government Ethics Law (P.L. 1991, c. 29); or
- d.** Due to actual fraud, actual malice, willful misconduct or an intentional wrong.

7. In the event a contested matter, to which this Resolution is applicable, is resolved by way of settlement, the SBRSA may take into account the facts, circumstances and allegations which led to the settlement in its determination of whether it may, subject only to the provisions of paragraph 6, indemnify such past and/or present member(s) and/or employee(s) against whom such settled claims had been made.

8. It is the intention of this Resolution to set forth the policy of the SBRSA with respect to the defense and indemnification of persons associated with the SBRSA in the management of its affairs and businesses to the maximum extent permitted by law, and if any provision hereof or the application hereof to any person or circumstance is held invalid by a court of competent jurisdiction, such invalidity shall not affect other provisions of this Resolution and to this end the provisions hereof are declared to be severable.

9. The policy set forth in this Resolution shall take effect immediately, but shall automatically expire unless re-authorized at each annual reorganization meeting of this Authority.

<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

Member List/Municipal Information

The Member List/Municipal Information was provided to the Board. Chairman Bartolini indicated that any changes should be given to Ms. Carlino.

SBRSA Municipal Representatives (1971 to Present)

A history of SBRSA’s municipal representatives from 1971 to 2014 was provided to the Board. Dr. Downey noted that her term is listed incorrectly as 1995. She began serving as a Board member in 1992. Staff will correct the list.

Consultant List

The consultant list was provided for information. Mr. Kantorek indicated that there are no contracts pending award tonight.

506.04 Planning and Administration

Mr. Kantorek reported that the most current 12-month average daily River Road plant flow is 9,336,496 gpd with 901,414 gpd of approved but inoperative flow for a total committed flow of 10,237,910 gpd with 2,822,090 gpd or 21.61% of available capacity. The most current 12-month average daily flow at the Hopewell Plant is 227,793 gpd with 1,200 gpd of inoperative flow, for a total committed flow of 228,993 gpd with 23.67% or 71,007 gpd of available capacity. The Pennington Plant presently has 257,360 gpd as the most current 12-month average daily flow, with 17,131 gpd of approved but inoperative flow, for a total committed flow of 274,491 gpd, with 8.50% or 25,509 gpd of available capacity. Mr. Kantorek noted that the inoperative flow total for the Pennington Plant is the unused portion of Bristol-Meyers Squibb approved flow.

Mr. Kantorek noted that although the 12-month average daily flows increased slightly they are still below the straight-line projections.

Mr. Kantorek reported that he was made aware by Kleinfelder that someone was interested in buying Bristol-Meyers Squibb’s unused flow. However, it was agreed that the flow could not be sold.

Mr. Goldfarb asked if this was normal procedure. Mr. Kantorek explained that as part of the sale of BMS's property to SBRSA they were allocated 25,000 gpd of capacity. It is an unusual situation. Dr. Downey noted that at one time BMS used most of the 25,000 gpd of flow. Several years ago SBRSA told BMS that they could not process their animal waste due to high BOD levels. This flow was redirected to BMS's on-site treatment plant which substantially decreased their flow to the Pennington STP.

Monthly Flow Transmittal

The monthly flow transmittal for January was provided for information.

Mr. Kantorek reported that there were no adjustments made for the month.

Dr. Downey noted that at the January meeting she had indicated that Municipal Maintenance Services had been contracted by Hopewell Township to repair the leaking valve in Hopewell Township. Dr. Downey explained that Pumping Services was contracted to repair the leaking valve.

506.05 Approval Requests and Actions

TWA-1 Approvals

Avalon Princeton, Blocks 21.02/7101, Lots 1/8-14, Princeton

Ms. Pchola reported that this project includes the construction of two (2) multi-family residential buildings and twelve (12) townhomes (site formerly included the Princeton hospital, a medical office building and a portion of a parking garage). The project will also include the installation of approximately 615 linear feet of 8-inch diameter PVC pipe.

121	1-bedroom units	150 gpd/unit	18,150 gpd
131	2-bedroom units	225 gpd/unit	29,475 gpd
28	3-bedroom units	300 gpd/unit	8,400 gpd
1,515	sf leasing office	0.1 gpd/sf	151.5 gpd
1,114	sf swimming pool	15 gpd/25sf*	<u>668.4 gpd</u>

Total Flow **56,845 gpd**

*based on a 5'x5' space per person

Ms. Pchola indicated that the applicant has indicated that there will be a no flow increase (applicant is indicating a 20,150 gpd decrease in flow) due to the fact that this development is "taking the place" of the former hospital site and medical office building. The reduction in flow from the former facilities at this site have been accounted for in our actual current flows to the River Road WWTP since the flow has been removed from the system for approximately two (2) years. Therefore the flow associated with this site is the total flow of 56,845 gpd.

Staff recommended approval of this application with the clarification that the approval flow is equal to 56,845 gpd and not a decrease of 20,150 gpd. So moved by Mr. Goldfarb, seconded by Dr. Downey and passed by a vote of 5 to 0.

Time Extensions

None.

NJPDES Endorsements Requested

None.

Water Quality Management Plan Amendments

None.

506.06 Regulatory Report

Discharge Monitoring Report (DMR)

Mr. Rahimi reported that the River Road Quarterly Effluent 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 the expected levels.

The River Road annual Effluent Surface Water Discharge Waste Characterization Report was submitted to the NJDEP for the February 2013-January 2014 reporting period.

Residuals Discharge Monitoring Report (RDMR)

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

Mr. Rahimi noted that staff is currently reviewing the December RDMR.

Air Reporting

Mr. Rahimi reported that the 4th quarter 2013 Incinerator Sludge Metals Report was filed. There were no exceedances reported for the monthly or 12-month weighted average metals concentration limits or the 12- month rolling lead or mercury emission limits.

Mr. Rahimi indicated that the 4th quarter 2013 Excess Emissions and Monitoring Report was submitted to the NJDEP. There were no excess emissions reported during this monitoring period.

Mr. Rahimi reported that the semi-annual 40 CFR 60, Subpart O report for the last six months of 2013 was submitted to the EPA. There were no excess emissions reported during this monitoring period.

Mr. Rahimi noted that the federal annual 40 CFR 503 Subpart E report was submitted, by staff, to EPA and NJDEP. The 40 CFR 503 limits were not exceeded for the five reported metals: arsenic, cadmium, chromium, lead and nickel. This report also supplies the daily and monthly averages for combustion hearth temperatures, afterburner temperature, pressure drop, CO and oxygen.

Mr. Rahimi reported that the Title V 2013 Combined 2nd Half Semi-Annual Deviation Report/Annual Compliance Certification was submitted by staff to the EPA and the NJDEP. This report includes all deviations that occurred throughout the reporting year. Mr. Rahimi indicated that there was one CO violation which occurred during the 1st half of the year.

Mr. Rahimi indicated that the 2013 Title V Annual Bypass Use report was submitted to the NJDEP on February 19, 2014.

Mr. Rahimi reported that testing for Incinerator #1 is scheduled to begin on February 25, 2014. Testing will include OS1 (Incinerator #1 with the afterburner) for Subpart O particulates and OS27 (Incinerator #1 with the RTO) for sulfur dioxide on February 26, 2014.

Laboratory

Mr. Rahimi reported that Suburban Testing Labs, which came in second during the evaluation process for laboratory services, was unable to pick up the samples on the scheduled day or the following day due to inclement weather and their long distance to SBRSA. Suburban asked if SBRSA would ship the samples to them. Staff made it clear that this is not the direction that the Authority wants to go for sample pickup because of the difficulty of shipping samples. Due to sample hold times, SBRSA requires routine sample pickups in the Princeton area which Suburban Labs does not offer at this time. As a result Suburban Testing Labs was notified that their services will not be utilized during the remainder of this contract. SBRSA will utilize QC Laboratory for the remaining contract period.

Mr. Rahimi noted that ALS Environmental was sent a termination of service letter on February 20, 2014. A copy of the letter was provided to the Board.

Safety

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

Mr. Irizarry noted that as of January 31, 2014 Stony Brook Regional Sewerage Authority has gone **877** consecutive days without a “Loss Time Accident”. A picture of the digital scoreboard that counts the number of days was provided to the Board.

Mr. Irizarry indicated that on January 19, 2014 there was an incident that occurred in the sump pit of the polymer area in the Operations Building Basement that resulted in the building filling with smoke. Staff received a copy of the fire department report on the incident along with a copy of the notice of order to correct. Copies of both were provided to the Board.

Chairman Bartolini expressed his concern over the report being called an Arson Narrative. This report was generated by the Princeton Fire Official and the terminology “Arson Narrative” is printed on their form. Ms. Alexander indicated that this was typical terminology for this type of report.

Mr. Irizarry reported that on February 6, 2014 staff met with a Princeton Fire Official and a representative from System Sales Corporation to discuss the regulations regarding the fire alarms being monitored by a central station. A copy of the regulations was provided to the Board. Staff scheduled System Sales Corporation to conduct a survey to help determine the best course of action to comply with the regulations.

Mr. Goldfarb indicated that this was discussed at the Construction Committee meeting. It was agreed that staff would continue to gather information on what it would involve in order to comply with the regulations. Mr. Goldfarb indicated that he would like the option to appeal to the Construction Board of Appeals in Princeton as to practical compliance. Mr. Goldfarb indicated that the previous Fire Inspector approved SBRSA’s current fire protection system based upon his interpretation of the regulations.

Training for this reporting period included:

Emergency Escape Pack use training was provided in-house on January 28, 2014 for eleven (11) employees.

506.07 Litigation

The Litigation Report was provided for information.

Ms. Alexander indicated that there were no changes to the Litigation Report.

506.08 Operations Report

Mr. Kunert reported that all the treatments facilities operated well during the recent snow events. The facilities operated normally due to the great job that the O & M Departments

did clearing the snow. No customer sludge was rejected due to our facilities not being ready and able to receive outside sludge.

Mr. Kunert indicated that SBRSA has started to receive two (2) to three (3) loads of liquid sludge from Nestle. Nestle normally land applies their sludge but due to the very low winter temperatures it cannot.

Mr. Kunert reported that the Operations Department worked with Engineering to coordinate the replacement of the Sodium Hypochlorite bulk tanks. This job has been completed.

Mr. Kunert indicated that rag build-up is occurring again in the Modified Aeration Effluent Channel. Staff suspects that the rags may be coming from the Thickeners and Thickener Scumwell and making their way to the Modified Aeration System via the process drain pumps. The rag buildup will be removed in-house when weather permits.

Mr. Kunert noted that staff changed the location of the influent sampler and diverted the process drain flow to the new Headworks Building.

Mr. Kunert reported that the Authority switched from Incinerator #2 to Incinerator #1 for stack testing of Incinerator #1 which is scheduled for February 25, 2014.

Mr. Kunert indicated that the Authority had its annual NJDEP inspection at both Upstream Facilities. The inspections went well. Staff is waiting for the inspection reports. No problems are anticipated.

Odor Report

Staff received no Odor Complaints from our surrounding area during the month of January. No odor complaints were received for the partial month of February.

Customer Septage and Sludge Deliveries

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

Maintenance Report

Mr. Ireland reported that on January 15, 2014, Schwing Pump #7, which is used to convey dewatered sludge from belt press #3, was taken out of service to have new rams installed. The pump has since been tested and placed back into service.

Mr. Ireland indicated that on January 20, 2014, a “failure to start alarm” was received from the Millstone Pump Station Generator after a brown out. Highlands Industrial Turbine Service (HITS) was called in to troubleshoot the failure alarm. It was determined that the cause of the problem was that the generator was not receiving enough fuel to start. The fuel system was bled and the generator started. HITS believed this was an isolated incident.

Mr. Ireland reported that on February 5, 2014, the generator again failed to start because of a fuel system problem. After a commercial power outage at 14:24 hrs, HITS was immediately called in and was successful in getting the generator back online. The Millstone Pump Station was without generator power for approximately one hour and forty five minutes. During that period, the wetwell backed up about one foot onto the floor. A DEP Hotline call was made for this event. Once the generator was online it ran for approximately twenty eight hours until commercial power was restored on February 6, 2014. The fuel oil system problem could not be further investigated while the generator was online.

Mr. Ireland indicated that on February 14, 2014, HITS returned to the Millstone Pump Station after several failed attempts because of the inclement weather. Three of the six batteries for the generator were not holding a charge because of dirty contacts. Once the contacts were cleaned new batteries were installed. HITS could then troubleshoot the generator fuel system. The Racine valve was found to be faulty and was replaced with a used one provided by HITS. The generator was then tested with no further issues and put back into service. A new Racine valve has been ordered and will be installed when it arrives.

Mr. Ireland reported that on January 23, 2014, the drain tray supports for belt press #2 were replaced.

Mr. Ireland indicated that on February 10, 2014, a new battery charger was installed on the Hopewell generator. The old charger was damaged by water when a pipe ruptured due to freezing temperatures.

The number of open work requests stand at ten (10). The Preventive Maintenance graphs show that SBRSA is currently averaging six (6) days overdue and the number of overdue units is approximately fifty-two (52).

506.09 Construction Report

Incinerator Improvements

Ms. Pchola reported that staff is in the process of compiling cost information relative to improvements to the incinerators. This is being done to determine if the units can be considered existing based on the cost of improvements to date, as indicated in 40 CFR 60 Subpart M. Once this task is completed the information will be forwarded to CBE.

Incinerator Compliance Testing

Ms. Pchola indicated that Incinerator No. 1 compliance testing for particulates (OS1) and SO₂ (OS27) has been scheduled for the week of February 24, 2014. KEMS will be assisting SBRSA staff with the testing which will be performed by Avogadro.

Contract 14-1, Facilities Emergency Generator Project

Ms. Pchola reported that AECOM and Kleinfelder continue with the development of the plans and specifications for the project. Staff is continuing with the application process and has determined, as verified by NJDEP and the Trust, that federal monies cannot be comingled. Therefore if the Authority accepts money from the NJHM program (\$177,600), SBRSA will not be eligible for the NJEIT principal forgiveness (PF) money. Staff is in the process of determining if the Authority can split the project contracts in order to get both principal forgiveness funds and NJHM funds (FEMA funds). The initial letter of intent submitted to the Trust was for the installation of an Emergency Generator at the River Road STP and did not include the pumping stations. Therefore one application to the NJEIT is required for the River Road WWTP generator project which will allow us to be eligible for PF money if available. Subsequent to the planning document submission, the Board decided to include both the Millstone and South Brunswick Pumping Stations in the project. As discussed with NJDEP, a letter of intent for the pump station generators must be submitted as a "Tract II" or second chance project. NJEIT funding for this project is not 100 percent certain. NJDEP cannot make a final determination as to which projects will be funded until all applications and contract documents are submitted on March 3, 2014 and the projects ranked based on NJDEPs priority criteria.

Ms. Pchola indicated that as required by the NJEIT, staff has prepared a separate resolution for each facility authorizing John Kantorek to act as SBRSA's representative in all matters relating to the projects including the filing of the loan applications.

Staff recommended approval of Resolutions 2014-05, 2014-11 and 2014-12 Authorizing application for a loan from the New Jersey Environmental Infrastructure Financing Program Emergency Generator Project. So moved Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolutions 2014-05, 2014-11 and 2014-12 follow.

**Stony Brook Regional Sewerage Authority
Resolution Authorizing Application for a Loan from the New Jersey Environmental
Infrastructure Financing Program Emergency Generator Project**

**Resolution No. 2014-05
Loan No. S340400-07**

WHEREAS, the Stony Brook Regional Sewerage Authority intends to file an application with the New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust for SBRSA River Road Wastewater Treatment Plant Emergency Generator Project.

NOW, THEREFORE BE IT RESOLVED, that John Kantorek, P.E., Executive Director be authorized to act as the Authorized Representative to represent the Stony Brook Regional Sewerage Authority in all matters relating to the projects undertaken pursuant to the above referenced New Jersey Environmental Infrastructure Loan to be executed with the

New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust. The Authorized Representative may be contacted at Stony Brook Regional Sewerage Authority 290 River Road, Princeton, NJ 08540 and telephone number 609 924-8881 extension 203.

Recorded Vote:

	<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
Resolution Authorizing Application for a Loan from the New Jersey Environmental
Infrastructure Financing Program Emergency Generator Project**

**Resolution No. 2014-11
Loan No.**

WHEREAS, the Stony Brook Regional Sewerage Authority intends to file an application with the New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust for the SBRSA Millstone Pump Station Emergency Generator Project.

NOW, THEREFORE BE IT RESOLVED, that John Kantorek, P.E., Executive Director be authorized to act as the Authorized Representative to represent the Stony Brook Regional Sewerage Authority in all matters relating to the projects undertaken pursuant to the above referenced New Jersey Environmental Infrastructure Loan to be executed with the New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust. The Authorized Representative may be contacted at Stony Brook Regional Sewerage Authority 290 River Road, Princeton, NJ 08540 and telephone number 609 924-8881 extension 203.

Recorded Vote:

	<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
Resolution Authorizing Application for a Loan from the New Jersey Environmental
Infrastructure Financing Program Emergency Generator Project**

**Resolution No. 2014-12
Loan No.**

WHEREAS, the Stony Brook Regional Sewerage Authority intends to file an application with the New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust for the SBRSA South Brunswick Pump Station Emergency Generator Project.

NOW, THEREFORE BE IT RESOLVED, that John Kantorek, P.E., Executive Director be authorized to act as the Authorized Representative to represent the Stony Brook Regional Sewerage Authority in all matters relating to the projects undertaken pursuant to the above referenced New Jersey Environmental Infrastructure Loan to be executed with the New Jersey Department of Environmental Protection and the New Jersey Environmental Infrastructure Trust. The Authorized Representative may be contacted at Stony Brook Regional Sewerage Authority 290 River Road, Princeton, NJ 08540 and telephone number 609 924-8881 extension 203.

Recorded Vote:

	<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

Ms. Pchola explained that staff attended a meeting on February 19, 2014 relative to the New Jersey Hazard Mitigation Grant Program (HMGP) and the application process. Staff is awaiting answers to our questions to determine if the grant money can be used for one pump station project. The original letter of intent and the spend plan was only for the River Road WWTP generator. The deadline for this application has been extended to March 21, 2014.

Ms. Pchola reported that as part of the application process SBRSA must submit a draft agreement for services during construction. At the request of staff, Kleinfelder has prepared a draft proposal and agreement for the construction services for the Emergency Generator project. The scope of work cannot be finalized until the project is completed and therefore the cost associated with the proposal is an estimate to be used for submitting the NJEIT loan application. This is the similar process that we have provided the NJEIT in the past loan applications. The estimated cost for the construction services for this project is \$370,000. A copy of the proposal was provided to the Board.

Contract 14-3 Incinerator Bypass Stack Damper Replacement

Ms. Pchola reported that the Engineering staff is collaborating with CBE in the development of the plans and the specifications for this project. It is anticipated that this project will be advertised in March with bids received in April. The estimated construction cost is approximately \$200,000. A more definitive cost estimate will be provided once the design is completed.

RTO Inspection/Media Replacement

Ms. Pchola reported that the annual on-line inspection of the RTO was completed on February 5, 2014 by Dürr. Dürr's field engineer stated that the unit was operating well and only a few minor issues were identified. The formal inspection report was received on February 17, 2014 and is currently under staff review.

Ms. Pchola indicated that on February 7, 2014 SBRSA staff met with Karl Monninger of KEMS and Dr. Gale Downey to discuss the issue of material build-up on the hot face of the RTO media bed. It is believed that the material that builds up on the surface of the media bed is silica based and is entrained in the off-gases from the incinerators. One method for reducing the amount of silica is to raise the pH in the wet scrubbers. Our Title V operating permit requires that we maintain a minimum pH of the wet scrubbers at 6.0. Currently we operate at a pH range of approximately 6.8 to 7.0 to give some latitude. SBRSA controls the pH in the wet scrubbers by adding a sodium hydroxide solution to the cooling trays.

Karl Monninger provided some cost calculations for two different scenarios; operating the wet scrubbers at a pH of 9.0 and at a pH of 10.0. Chemical addition to control pH is a non-linear function. Moving the pH set point from 6.8 to 9.0 would result in an estimated increase in chemical costs of \$19,000 per year. Setting the pH set point at 10.0 would add an estimated \$100,000 per year to our chemical costs. These costs were compared to the cost of replacing the media bed once every four (4) years at a cost of approximately \$160,000 or \$40,000 per year.

At the end of the discussion it was decided to implement the following:

- Once a quarter the RTO will be taken off-line and the hot face of the media bed will be vacuumed. Prior to vacuuming, the amount of material found will be documented.
- After the initial vacuuming, the pH set point on the wet scrubber(s) will be raised to 8.0 for 1 to 3 months and the usage of sodium hydroxide will be monitored, (this will provide actual cost data for evaluation) and the media bed will be vacuumed again.

At the end of the quarter with the pH set point of 8.0, the data will be evaluated to see if any improvement has been realized.

Contract 10-1, Headworks Project

Ms. Pchola reported that as of Pay Estimate No. 35 this project is 98% complete. During the month of January 2014, Tomar completed the installation of the storm water collection system, manufacturer's start-up of the fire detection system, installation of davit arm support base and hoist, applied the protective coating to Screenings Room and Dumpster Room floors, installed the roof access ladders, installed bollards, cleaned up Screenings Room, began completion of items listed on the preliminary punch list, and continued with outside site work as weather allowed.

Ms. Pchola indicated that on Tuesday February 18, 2014 a meeting was held between SBRSA, Kleinfelder, and representatives of the grit removal system, Koster the local sales representative and Walker Process the equipment manufacturer. The purpose of the meeting was to discuss the lack of grit production from the system and develop solutions to correct the issue(s). At the conclusion of the meeting it was decided that best way to address the two identified issues of speed control of the grit washer screw and control of air flow to the grit removal tanks is to install Variable Frequency Drives (VFD) on the individual pieces of equipment, five (5) VFD's in all (one on each of the three blowers and one on each of the two grit washers).

Walker Process will provide additional information on the blowers for the grit removal tanks to confirm that the blowers will function properly at reduced speeds. Once this is confirmed, Walker Process has offered to provide the five VFD's to the Authority at no cost. Responsibility for the installation and wiring of the new VFD's will be the responsibility of SBRSA.

Contract 12-2, Facilities Painting Project

Ms. Pchola reported that staff has approved the final payment application from the contractor. The final payment will be processed at tonight's Board meeting. The project will then be closed out.

Contract 13-2 RRWWTP (Sodium Hypochlorite) Chemical Storage Tank Replacement Project

Ms. Pchola reported that as of Pay Estimate No. 2 this project is 98% complete. The new storage tanks and piping system have been installed and the tanks have been placed into service. The only open contract item is the application of the protective coating on the tank support legs and piping supports.

Ms. Pchola indicated that the contract specifications required that the access ladders on the existing FRP storage tanks be carefully removed and reinstalled on the new tanks. During the installation of the access ladders on the new tanks, it was discovered that the top shell of the new tanks did not have mounting brackets installed to attach and anchor the side rails of

the access ladder walk through. Without this bracket, the side rails are not stable and this creates a safety concern.

Ms. Pchola explained that the tank manufacturer, Design Tanks, was contacted regarding this issue and Design Tanks indicated that they have changed their access ladder design standards and do not provide the ladder walk through or the associated mounting brackets on their standard tanks.

Ms. Pchola reported that various alternatives were evaluated to correct this issue and as a result, BR Welding was asked to provide a proposal to fabricate and install a base ring around the manway and anchor points to stabilize the side rails of the access ladder walk through.

Ms. Pchola explained that approval of this change order will compensate the contractor for the fabrication and installation of two (2) access ladder walk through support brackets.

Staff recommended approval of Resolution 2014-09. Change Order No. 1 in the amount of \$1,482.98 for the installation of tank access ladder support brackets for Contract 13-2. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolution 2014-09 follows.

**Resolution Authorizing the Approval of Change Order No. 1 for the Installation of
Tank Access Ladder Support Brackets for Contract 13-2**

Resolution No. 2014-09

WHEREAS, on March 6, 2013, the Stony Brook Regional Sewerage Authority (SBRSA) issued a Notice to Bidders seeking the receipt of sealed public bids for the “River Road WWTP Chemical Storage Tank Replacement Project, Contract 13-2”; and

WHEREAS, the SBRSA at its April 22, 2013 meeting awarded the River Road WWTP Chemical Storage Tank Replacement Project, Contract 13-2 to BR Welding, Inc., (BRW) in the amount of \$75,850; and

WHEREAS, additional unforeseen work which was not included in the original bid specifications was required to complete the project related to the installation of additional support brackets for the access ladders on the new tanks; and

WHEREAS, the abovementioned changes to Contract 13-2 are incorporated within the February 14, 2014 Contract Change Order #1 document in the amount of \$1,482.98 which is 2 percent of the original contract amount (\$75,850) resulting in an adjusted contract of \$77,332.98; and

WHEREAS, the contract completion date for the project shall remain unchanged as a result of Change Order No. 1; and

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

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

1. The Executive Director is authorized and directed to execute Change Order #1 with BR Welding, Inc. in the amount of \$1,482.98 resulting in an adjusted contract amount of \$77,332.98.
2. This Resolution shall take effect immediately; 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

Contract 13-3 Pennington WWTP Return Sludge Pump Replacement Project

Ms. Pchola reported that as of Pay Estimate No. 3 this project is 93% complete. On February 17, 2104 the new return sludge pump and VFD were commissioned and started-up by the manufacturer’s representatives. The unit was placed into service and SBRSA staff is in the process of incorporating the new pump into the plant-wide SCADA system.

Contract 13-4, Belt Filter Press Platform Project

Ms. Pchola reported that As of Pay Estimate No. 2 this project is 22% complete. Staff has received and approved the re-submittal of the platform shop drawing and fabrication of the platforms is underway. Weather conditions have delayed the delivery of material to the fabricator and as a result, the platforms are expected to be completed by mid-March with installation completed by the end of March.

Contract 14-2 River Road STP Scum Mixer Replacement

Ms. Pchola indicated that bids for this project were received and opened on February 18, 2014. Of the twelve (12) potential bidders, eleven (11) bids were received ranging in price from \$105,900 to \$48,000. The lowest bidder was Derstine Company at a bid of \$48,000.

Ms. Pchola reported that Derstine Company, LLC has performed work for the Authority in the past with all work completed on time and with good quality.

Staff recommended award of Contract 14-2 Thickener Scum Well Mixer Replacement Project to Derstine Company in the amount of \$48,000. So moved by Dr. Downey, seconded by Mr. Goldfarb and passed by a roll call vote of 5 to 0. Resolution 2014-10 follows.

**Resolution Authorizing the Award of Contract 14-2
Thickener Scum Well Mixer Replacement Project to
Derstine Company, LLC**

Resolution No. 2014-10

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 “Thickener Scum Well Mixer Replacement Project, Contract 14-2”; and

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

WHEREAS, the Authority has determined that the bid of Derstine Company, LLC is the lowest bid in the amount of \$48,000; and

WHEREAS, the bid received from Derstine Company, LLC 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 Derstine Company, LLC, the lowest responsive bidder; for the Thickener Scum Well Mixer Replacement Project, Contract 14-2 in the amount of \$48,000; 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 14-2 THICKENER SCUM WELL MIXER
 REPLACEMENT PROJECT
 BID SUMMARY**

<i>Bidder</i>	<i>Bid Amount</i>
Derstine Company, LLC 320 Cowpath Road Souderton, PA 18964	\$48,000
Municipal Maintenance Company 1352 Taylors Lane Riverton, NJ 08077	\$56,100
Blooming Glen Contractors, Inc. PO Box 391 Blooming Glen, PA 18911	\$60,464
B&H Contracting, Inc. 1022 Blackhorse Pike Folsom, NJ 08037	\$67,990
Stone Hill Contracting, Inc. 252 Swamp Rd., Suite 19 Doylestown, PA 18901	\$70,450
KRS Services, Inc. 1806 Route 206 Southampton, NJ 08088	\$70,794
Centerpoint Associates, Inc. 47 Coles Road Blackwood, NJ 08012	\$73,580
G.M.H. Associates of America, Inc. 5 Chelton Way, Bldg. 15 Trenton, NJ 08638	\$78,901
BR Welding, Inc. 3 Brook Road Howell, NJ 07731	\$87,500
Cothey Construction Company, Inc. 60 Rising Sun Tavern Road Clarksburg, NJ 08510	\$87,980
Jos. Jingoli and Son, Inc. 100 Lenox Drive, Suite 100 Lawrenceville, NJ 08648	\$105,900

506.10 Finance Report

Payment of Bills and Claims

Mr. Morehouse moved the approval of Resolution 2014-07, for the payment of bills and claims in the amount of \$1,102,557.33 with two signatures instead of three, seconded by Dr. Downey and passed by a roll call vote of 5 to 0. Resolution 2014-03 follows.

Resolution Regarding Payment of Bills and Claims

Resolution No. 2014-07

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 \$1,102,557.33 be approved for payment with checks bearing two authorized signatures instead of three authorized signatures.

Recorded Vote:

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

Treasurer's Report

Mr. Neuhof reported that net income for the two-month period ending January 31, 2014 is \$94,215. This increase is attributed to additional sludge cake revenue from Bayshore Sewerage Authority. The Authority has total cash and investments of \$17,362,906 at an average interest rate of 0.19%. The current construction projects balance is \$13,304,540. Mr. Neuhof noted there are sufficient funds for these projects. The outstanding bond principal totals \$23,188,346. The New Jersey Cash Management Fund yield is 0.06%.

Monthly Sludge Business Analysis

Mr. Neuhof reported that net income for the month of January is \$159,132 and net income is \$275,495. Gas usage for the month of January was 114,630 therms. The remaining simple payback for the RTO project is 2.9 years.

Office of Hutchins, Meyer & Delieto, PA Merger

Mr. Neuhof indicated that the Authority's auditors, Hutchins, Meyer & Delieto, PA has merged with the Toms River office of WithumSmith-Brown, PC. A copy of the announcement letter was provided to the Board.

506.11 Personnel Report

The Personnel Report was provided for member information.

Mr. Kantorek indicated that the Authority has hired an Operator VI who will begin working on March 3, 2014.

506.12 Correspondence

For information

506.13 Old Business

None.

506.14 New Business

None.

506.15 Open to the Public

None.

506.16 And such other issues as may come before the Board

None.

506.17 Adjournment

As there was no further business to come before the Board, the meeting was adjourned at 8:35 p.m. on a motion by Mr. Morehouse, seconded by Dr. Downey and passed by unanimous vote.

Respectfully Submitted,

John Kantorek
Secretary

Written by
Patricia Carlino
March 5, 2014