

647, July 22, 2025 – Stony Brook Regional Sewerage Authority

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

MEMBERS PRESENT: Downey, Antebi, Bhosle, Goldfarb, Morehouse, Patel

MEMBERS ABSENT:

CONSULTANTS: Alexander

STAFF PRESENT: Christiano, Doelling, Eddy, Hinkel, Mazich, Smith, Stewart, Thomas, Wieczorek

647.01

Dr. Downey opened the regularly scheduled meeting at 6:30 p.m. Dr. Downey indicated, pursuant to Section 13 of the Open Public Meetings Act, that adequate notice of the time and place of this meeting and the teleconference information was given by filing with the Authority's official newspapers, each Clerk of each municipality and by posting on the Princeton Bulletin Board and the Authority's website.

647.02 Approval of Minutes

The draft minutes from the June 24, 2025, Board Meeting were approved as presented by Mr. Morehouse, seconded by Mr. Antebi, and passed unanimously.

647.03 Open to the Public

Hearing no comments from the public, as no members of the public were present either in the conference room or on the teleconference call, Dr. Downey closed the meeting to the public at 6:33 p.m., and the meeting continued as scheduled.

647.04 Board Related Activities

Mr. Smith reported that the following two (2) consultant contracts are pending approval for this reporting period.

- Van Cleef Engineering Associates for Meter Station 6 Improvements for \$43,205 will be discussed in the Construction section.
- CDM Smith for the Asset Management Program Development (Phase 2) for \$167,00 will be discussed in the New Business section.

647.05 Planning and Administration

Mr. Smith reported that the current 12-month average daily flow at River Road WWTP is 7,755,072 gpd, with 1,438,405 gpd of inoperative flow, leaving an available capacity of 3,866,523 gpd. The current 12-month average daily flow at the Hopewell WWTP is 193,408 gpd, with zero gpd of inoperative flow, leaving an available capacity of 106,592 gpd. The current 12-month average daily flow at Pennington WWTP is 237,764 gpd, with 23,461 gpd of inoperative flow, leaving an available capacity of 183,775 gpd.

Mr. Smith reported that staff completed the flowmeter verification on July 1, 2025. All flowmeters were within $\pm 5\%$.

Mr. Smith reported that the Princeton Farms meter began malfunctioning on June 26, 2025, resulting in several days of missing and erroneous data. Flow totalizers for Princeton Farms from June 26 through 30, 2025, which contained incomplete or inaccurate data, were adjusted proportionally to data from June 8, 2025. Staff are working to replace the Princeton Farms Meter.

647.06 Approval/ Extension Requests and Actions

Mr. Doelling reported that one (1) TWA application was submitted for the Historical Studies – Social Science Library Center, Institute for Advanced Study, 1 Einstein Drive, Block 10501, Lot 1.03; Princeton, Mercer County: The Institute for Advanced Study (IAS) proposes construction of a 23,252 sq.ft. for the addition to the library, consisting of a new 17,716 sq.ft. second-story addition, a 5,039 sq ft addition to the first floor, and a 497 sq ft. addition to the basement level. The addition will include offices, meeting spaces, and other collaborative spaces for IAS staff and researchers who are currently sharing office space elsewhere on the campus

The proposed change adds 2,325 gpd of new contributory flow.

Staff recommended approval of Resolution 2025-061, Approving Application for Connection Submitted by the Institute for Advanced Study for the Historical Studies – Social Science Library Center, 1 Einstein Drive, Block 10501, Lot 1.03; Municipality of Princeton, Mercer County.

Resolution 2025-061 was moved by Mr. Goldfarb, seconded by Ms. Bhosle, and passed by a roll call vote of 6 to 0. Resolution 2025-061 follows.

Resolution Approving Application for Connection Submitted by the Institute for Advanced Study for the Historical Studies – Social Science Library Center, 1 Einstein Drive, Block 10501, Lot 1.03; Municipality of Princeton, Mercer County

Resolution No. 2025-061

WHEREAS, an application for Treatment Works Approval has been submitted to Stony Brook Regional Sewerage Authority (SBRSA) by the Institute for Advanced Study for the construction of a 23,252 sq.ft. addition to the library, consisting of a new 17,716 sq.ft. second-story addition, a 5,039 sq.ft. addition to the first floor, and a 497 sq.ft. addition to the basement level; and,

WHEREAS, the gallonage required to service the proposed Project pursuant to the NJDEP criteria is in the amount of 2,325 gallons per day; and

WHEREAS, the New Jersey Department of Environmental Protection (NJDEP) presently requires the certification by the Wastewater Treatment Facility Owner, that the committed flow does not exceed the presently permitted design capacity, and with the additional flow proposed by this application; and

WHEREAS, SBRSA has reviewed the application based on the requirements of N.J.A.C. 7:14A-23.3 Projected Flow Criteria, and the flow associated with this application is 2,325 gpd; and

WHEREAS, the project received Princeton Planning Board approval on January 9, 2025; and,

WHEREAS, the TWA Form WQM003-T has been endorsed by the Assistant Municipal Engineer and certified by the Wastewater Conveyance System on June 10, 2025; and

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

1. Stony Brook Regional Sewerage Authority recommends approval of the Treatment Works Approval application for construction of a 23,252 sq.ft. addition to the library at a proposed flow allocation of 2,325 gpd new sewage flow in accordance with the N.J.A.C. Projected Flow Criteria.
2. The Executive Director of SBRSA is hereby authorized and directed to execute the Treatment Works Approval (TWA-1 Application) Form WQM003-T in accordance with the SBRSA Resolution adopted August 21, 1984.

Recorded Vote: AYE NO ABSTAIN RECUSED ABSENT

Gale D. Downey X

Julian Antebi	X
Arundhati Bhosle	X
David A. Goldfarb	X
C. Schuyler Morehouse	X
Bharat Patel	X

647.07 Regulatory Report

Mr. Doelling reported that the 2025 Q2 Quarterly Report, required by paragraph 28 of the Consent Decree, is being prepared. The report is due August 15, 2025.

SBRSA received a pre-draft of the Title V Air Operating Permit Renewal on June 24, 2025. Staff are currently reviewing the proposed predraft permit. Comments are due on July 24, 2025.

Mr. Doelling reported that the quarterly Emergency Bypass Use Report was submitted on July 14, 2025, for the period April 1, 2025, to June 30, 2025. There were two (2) events reported during the second quarter of 2025. There has been a total of four (4) emergency bypass stack events during the first half of 2025.

A discussion occurred regarding the Consent Decree and the Title V Air Permit.

There were no other Board member comments on the Regulatory Report. For information, the following Regulatory Report is included in the meeting minutes.

Discharge Monitoring Report (DMR)

The discharge monitoring reports for May 2025 were submitted. No violations were reported.

The June 2025 DMRs are currently being reviewed.

The River Road semi-annual Effluent Surface Water Discharge Waste Characterization Report (WCR) was submitted for the period January 1, 2025, to June 30, 2025.

The Hopewell and Pennington semi-annual Effluent Surface Water WCR was submitted for the period January 1, 2025, to June 30, 2025.

Residuals Discharge Monitoring Report (RDMR)

The April 2025 RDMRs were submitted. All River Road parameters were in compliance with the Title V Air Permit requirements.

The May 2025 RDMRs are currently being reviewed.

Air Reporting

The 2nd quarter 2025 Excess Emissions and Monitoring Performance Report (EEMPR) is currently being reviewed.

Federal 40 CFR 60 Subpart O Semi-annual Report for the incinerators is being reviewed.

The Semi-annual Title V Deviation Report is being prepared. The report is due July 30, 2025.

The Semi-annual Subpart LLL Deviation Report is being prepared. The report is due July 30, 2025.

647.08 Safety

Mr. Doelling reported that on July 8, 2025, SBRSA received a Notice of Violation (NOV) and associated penalty related to overfill protection monitor testing conducted on June 2, 2023, as part of SBRSA's regular regulatory compliance program. That testing identified an issue requiring repair and recertification. While staff were actively working to complete the necessary corrective actions, an unannounced NJDEP inspection on December 12, 2023, noted that the work had not yet been finalized. This NJDEP inspection was previously reported in the January 2024 Board report. The tank monitor was repaired and recertified on January 22, 2024. Staff met with the NJDEP Bureau of UST Compliance and Enforcement on July 15, 2025, and negotiated the penalty to \$5,000.

A discussion occurred regarding the Notice of Violation (NOV) issued for an inspection in June 2023 of the underground storage tanks at the River Road WWTP.

Staff recommended approval of Resolution 2025-064. Resolution 2025-064 was moved by Mr. Goldfarb, seconded by Mr. Morehouse, and passed by a roll call vote of 6 to 0. Resolution 2025-064 follows.

Resolution Authorizing Execution of a Settlement Agreement Resolving A Notice Of Civil Administrative Penalty Assessment Issued by NJDEP Relevant To Underground Storage Tank Regulatory Compliance at the River Road Wastewater Treatment Plant

Resolution No. 2025-064

WHEREAS, the New Jersey Department of Environmental Protection ("NJDEP") issued a Notice of Civil Administrative Penalty Assessment dated July 8, 2025, alleging noncompliance relative to Stony Brook Regional Sewerage Authority's ("SBRSA's") 15,000 gallon underground storage tank located at the River Road Wastewater Treatment Plant; and

WHEREAS, all alleged deficiencies have been addressed to the satisfaction of NJDEP; and

WHEREAS, settlement discussions to amicably resolve any alleged deficiencies commenced; and

WHEREAS, the parties negotiated the terms of a Settlement Agreement, attached hereto and made a part hereof, which resolves the allegations contained in the Notice of Civil Administrative Penalty Assessment.

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

1. The Executive Director is authorized and directed to execute a Settlement Agreement and Administrative Hearing Waiver Form, in a form substantively the same as the annexed Settlement Agreement and Administrative Hearing Waiver Form, and remit payment in the amount of \$5,000.00 payable to the Treasurer, State of New Jersey, to the Division of Revenue.
2. The Executive Director and staff are hereby authorized to take all other actions necessary or desirable to effectuate the terms and conditions of this Resolution.
3. This Resolution shall take effect immediately.

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>ABSENT</u>
Gale D. Downey	X			
Julian Antebi	X			
Arundhati Bhosle	X			
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel	X			

There were no other Board member comments on the Safety Report. For the record, the following Safety Report is included in the meeting minutes.

Accidents:

As of July 11, 2025, the Stony Brook Regional Sewerage Authority has gone 263 consecutive days without a “Lost Time” accident. An up-to-date graph depicting the historic annual trends of “Lost Time” and “No Lost Time” accidents and injuries was provided.

Inspections:

The safety committee and plant staff continue to work through Priority 1 Safety Items.

Training:

During this reporting period, staff attended the following training programs provided by the MEL Safety Institute:

- Implicit Bias

Miscellaneous

The Safety Committee met on Tuesday, July 8, 2025. The minutes from this meeting are provided in the report.

647.09 Litigation

Ms. Alexander reported that there was nothing new to report during this reporting period.

647.10 Operations Report

River Road Facility

Mr. Stewart reported that the River Road Facility operated well during this reporting period.

Mr. Stewart reported that during the Week of June 23, 2025, Industrial Furnace Company (IFCO) began working on repairs for Incinerator No. 2. The scope of work was bid and awarded under Resolution 2025-055. The work was completed in approximately two weeks. The scope included repairs to several burner tunnels that were damaged during use. Several hearths had missing bricks that were replaced. Repairs were also made to the refractory and incinerator shell plate. Following completion of the repairs, the incinerator underwent the necessary dry-out procedure and warm-up. The incinerator was put into service on July 16, 2025. Incinerator No. 1 was idled, and the cool-down process was initiated, with deslagging and inspection scheduled for the coming months. Deslagging is scheduled to take place on August 8, 2025, and the inspection is expected to occur in mid-August/September 2025.

During this reporting period, one (1) bid opening occurred. The bid opening was for the Hauling and Disposal of Grit and Screenings. The details of the bid opening, along with a resolution to award a 24-month contract, are provided in the New Business section of the Board Book.

Mr. Stewart reported that both Upstream Facilities operated well during this reporting period.

During the week of July 7, 2025, the secondary clarifiers at both upstream plants were cleaned and inspected for any issues related to their proper operation. Pennington WWTP uses the Weir Wolf brush system. This system is attached to the skimmer arm and removes algae growth between the weir plate and scum baffle, as well as in the launder space. The launder develops a thin film of algae that has been rinsed off and pumped out. At the Hopewell Plant, the secondary clarifiers will use this system as part of the Hopewell Upgrade Project. Later that week, the disc filters at the Pennington WWTP were thoroughly cleaned and flushed. No mechanical issues were found, and the stainless-steel mesh sections of the discs were in good condition.

Mr. Stewart reported that a revised proposal was received from CDM Smith on July 15, 2025, regarding the next phase of the asset management plan. This phase focuses on creating a criticality matrix for current assets. Additionally, the current computerized maintenance management system (CMMS) asset registry will be evaluated, along with a condition assessment framework for our assets. This scope of work is planned to be completed over a nine (9) month

period. Staff met internally to review the revised proposal. A resolution for the next phase of the Asset Management Plan (AMP) has been provided and will be addressed in the New Business section of the Board Book.

As part of ongoing efforts to develop and improve the current asset management plan, an inventory audit has started at River Road WWTP. The plantwide inventory audit commenced on June 9 and is anticipated to take several months to reconcile the shelf inventory with the records in the CMMS. Over the years, with continuous upgrades and process changes, assets have been added and replaced. This has been reflected in inventory controls; however, no audit has been conducted until now. After completing the River Road WWTP inventory, the next phase will focus on the Upstream facilities. Finally, the pumping stations will be reconciled to complete the first-ever audit. As the process advances, controls will be implemented to ensure ongoing accuracy in the CMMS and in-field inventory records.

Mr. Stewart reported that Mr. Robbins, the Plant Administrator, receives all the inventory and tags, then stores them in the correct inventory locations.

Staff have received zero odor complaints since the last monthly Operations Report. The total number of odor complaints received year to date is one (1). A historical record of odor complaints since January 1999, as well as a breakdown of the type and location of odor complaints received year to date, was provided in the report.

The reported quantity of liquid sludge was 0.10% below the budgeted amount, sludge cake was 19% above the budgeted amount, and gray water was 15% above the budgeted amount for June 2025.

647.11 Maintenance

Mr. Hilty reported that Belt Press No. 1 is online. All three belt presses are available and operational.

There were no other Board member comments on the Maintenance Report. For information, the following Maintenance Report is included in the meeting minutes.

Work Order/Preventative Maintenance Order Summary

Maintenance completed seventy-four (74) Work Orders and eighty-seven (87) Preventive Maintenance Orders. Currently, there are twenty-three (23) open work order requests and two (2) outstanding preventative maintenance orders that are two (2) days overdue on average. Open work orders and outstanding preventative maintenance orders are tracked and illustrated in the graphs provided.

Major Maintenance Repairs:

On June 12, 2025, Effluent Flushing Pump No. 2 was taken out of service for overhaul after a leak was discovered at the mechanical seal. In addition to the seal issue, the shaft bearings were also found to be worn. Upon disassembly, the pump volute was found to be badly corroded on the internal casting. The volute was sent out for sandblasting and coated with ceramic epoxy to extend its service life. Once returned, the pump was rebuilt with a new shaft, bearings, and impeller. The mechanical seal was also rebuilt, and the pump was reinstalled into the piping system. After successful leak testing, Effluent Flushing Pump No. 2 was returned to full service on June 26, 2025. The Effluent Flushing Pump make/model are becoming obsolete. Staff plans to investigate our options for a suitable replacement.

On June 26, 2025, the Pennington Plant Primary Clarifier Drive was taken out of service for scheduled repairs. The motor and gearbox had previously been reported to make noise and show low oil levels during operation. In response, a spare motor and gearbox assembly were ordered, and the unit was monitored monthly while new seals were installed as an interim measure. On the scheduled repair date, the existing motor and gearbox were removed and replaced with the new assembly. After verifying proper oil level and correct rotation, Primary Clarifier Drive No. 1 was returned to full service on June 26, 2025.

On June 20, 2025, Nitrification Return Sludge Pump No. 4 was reported to be leaking from the volute inlet, resulting in an accumulation on the floor of the Chemical Building Basement. Inspection revealed that the suction inlet had eroded along a casting seam after years of service. Epoxy was applied to temporarily seal the leak and maintain operation while replacement parts were gathered from inventory and staged in the pump room. The pump was then isolated, locked out, and drained to allow for dismantling of the 18-inch dresser coupling on the inlet piping and removal of the suction plate. A new suction plate was installed, followed by adjustments to the impeller. The mechanical seal was also removed, rebuilt, and reset on the pump shaft. During the repair, a new 18-inch dresser coupling was installed in the piping, and the system was then leak-tested. On July 7, 2025, Nitrification Return Sludge Pump No. 4 was returned to full service.

On July 3, 2025, during midday sludge cake deliveries, two of the three screw drives in Sludge Cake Receiving Bin No. 2, Screw Drive No. 5 and No. 6, abruptly failed while emptying the hopper to make room for additional loads. The remaining sludge cake was cleared from the bin to allow for inspection. It was found that the tail gear on Screw No. 5 had damaged gear teeth, requiring removal and replacement. After locking out the equipment and removing the gear cover, the damaged gear was replaced with a new one sourced from inventory and properly adjusted. Further inspection inside the bin revealed that a section of Screw Drive No. 6 had broken bolts, which caused the screw to dislodge and jam both drives. The broken bolts were replaced, the No. 6 screw was reassembled, and all remaining screw bolts were checked and tightened. Once the bin was exited and the controls unlocked, the screw drives were tested. Later that day, on July 3, 2025, Sludge Cake Receiving Bin No. 2 was returned to full service for continued cake deliveries.

647.12 Construction Report

Mr. Doelling reported on the Meter Station No.6 Rehabilitation. Meter Station No. 6 needs repair due to years of hydrogen sulfide exposure. Notably, the walls and flooring exhibit significant degradation, the ventilation fan is non-functional, and the ladder requires replacement. At the request of SBRSA, Van Cleef Engineering Associates (VCEA) submitted a proposal dated June 19, 2025, for design, bid, and construction phase engineering services on a time and materials basis, for a total fee not to exceed \$43,205, without further authorization from the Authority.

Staff recommended approval of Resolution 2025-062, Authorizing the Award of a Professional Services Contract to Van Cleef Engineering Associates for the Rehabilitation of Meter Station No. 6.

Resolution 2025-062 was moved by Mr. Morehouse, seconded by Mr. Goldfarb, and approved by a roll call vote of 6 to 0. Resolution 2025-062 follows.

Resolution Authorizing the Award of a Professional Services Contract to Van Cleef Engineering Associates for the Rehabilitation of Meter Station No. 6

Resolution No. 2025-062

WHEREAS, the Stony Brook Regional Sewerage Authority (the “Authority”) has a need for design, bid and construction phase engineering services for the rehabilitation of Meter Station No. 6; and

WHEREAS, Van Cleef Engineering Associates has submitted a proposal dated June 19, 2025, for design, bid, and construction phase engineering services in accordance with the proposal estimate (dated June 4, 2025) and hourly rate schedule for a time and materials fee not to exceed \$43,205.00 without further authorization from the Authority; and

NOW THEREFORE, BE IT RESOLVED that the Board of the Stony Brook Regional Sewerage Authority as follows:

1. The Chairman is authorized to execute the “Agreement of Engineering Professional Services for the Design, Procurement and Construction Services for the Rehabilitation of Meter Station #6” by and between the Authority and Van Cleef Engineering Associates, LLC, having a business address of 32 Brower Lane, Hillsborough, New Jersey, in an amount not to exceed \$43,205.00, in accordance with the Proposal. Said contract shall not allow political contributions pursuant to the applicable provisions of N.J.S.A. 19:44A-20 et seq.
2. The foregoing services are “professional” services as defined in N.J.S.A. 40A:11-2(6) which are permitted to be contracted without public bidding as set forth in N.J.S.A. 40A:11-5(1) (a) and as a “non-fair and open” contract pursuant to the provisions of N.J.S.A. 19:44A-20-5.
3. The Business Registration Certificate, Business Entity Disclosure Certification and Determination of Value shall be placed on file with this resolution.
4. The term of the contract shall be 12 months from the date the contract is fully executed.
5. Within ten days of adoption of this Resolution, notice of the nature, duration and amount of the contract shall be published once in the newspaper of general circulation

and a copy of this resolution and the agreements shall be on file and available for public inspection in the offices of the Authority as required by N.J.S.A. 40A:11-5.

6. This Resolution shall take effect as provided by law.

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

Certification of Funds

I, James Mazich, Chief Financial Officer, do hereby certify that sufficient funds are available in account 0001-5509 – Contingency Reserve Fund.

/s/ James Mazich

Chief Financial Officer

Stony Brook Regional Sewerage Authority

Dated: July 16, 2025

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>RECUSED</u>	<u>ABSENT</u>
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Gale D. Downey	X				
Julian Antebi	X				
Arundhati Bhosle	X				
David A. Goldfarb	X				
C. Schuyler Morehouse	X				
Bharat Patel	X				

Mr. Doelling reported on Project 24-10: RRWWTP Fire Hydrant Replacements. Additional acoustic leak detection services to find any remaining leaks have been scheduled for July 17, 2025.

There were no other Board Member comments on the Construction Report. For the record, the following construction report is included in the meeting minutes.

Studies/General

River Road WWTP Phosphorus Impact Modeling Study: One Water Consulting submitted the QAPP for this year's proposed sampling on May 22, 2025. To date, One Water Consulting has not received a response from NJDEP on this submission.

NJPDES Permit: There has been no recent action from NJDEP to report.

Expansion of River Road Planning Report: Staff are reviewing the report and will provide comments.

Dewatering Alternatives Evaluation / Belt Filter Press Replacement Study: Kleinfelder is working up a proposal for pilot testing and site visits for the two selected technologies.

Analysis of Receiving Bin Screw Failures: CDM continues work on this project. On July 9, 2025, a representative from a reputable mechanical fabricator was onsite reviewing the existing configuration and operation.

2025 Annual Inspection: Inspection of SBRSA facilities occurred during the week of July 14-18, 2025.

2025 Annual Odor Study: The TRC odor study is scheduled for August 18-19, 2025, with the odor panel analyzing the samples on August 19-20, 2025.

Design

Fly Ash Slurry Pump Suction/Discharge Header Rehabilitation (Project 24-1): Kleinfelder continues to finalize the design.

Engineering Trailer (Project 23-7): Installation of the foundations for the trailer began on July 9, 2025. The trailer is expected to arrive on or about August 11, 2025.

River Road WWTP Main Substation Replacement or Rehabilitation Design: ELECSYS and Kleinfelder continue to make progress on the design.

Process Drain Pump No. 3 Upgrade Project: Kleinfelder and ELECSYS continue work on this project.

RTO Media and Force Draft Fan Replacement Project: Staff received critical information regarding the design characteristics of the media from Dürr. This information will be incorporated into the specifications. Staff anticipates advertising the project for bid next month.

Millstone Pump Station Influent Screening Improvements Project: A kick-off meeting for this project was held on July 10, 2025.

Operations Building HVAC Upgrade Design: During the past month, staff held several meetings with Precis Engineering, including a detailed discussion on July 8, 2025, focused on the condition of the existing ductwork systems. Precis provided a comprehensive assessment of the HVAC deficiencies and outlined proposed remedial strategies addressing ductwork, fans, heating elements, ventilation code compliance, and the need for an overall system redesign. Key findings included:

- Deteriorated duct insulation and problems with diffuser back pans
- Missing or malfunctioning volume dampers
- Leaks and improper positioning of ducts and reheat coils
- Ceiling exhaust fans, fume hood exhausts, and other ventilation elements not meeting code requirements
- Abandoned fans and ductwork contributing to uncontrolled airflow
- Excessive negative pressure in certain rooms due to exhaust fan operation without adequate make-up air

- Concerns related to heating hot water piping, canopy hoods, and unknown above-ceiling conditions

This review has provided valuable insight into the root causes of many of the operational issues currently being experienced, and it establishes a clear path forward for addressing these longstanding problems.

Construction

Contract 20-2 River Road Sludge Storage Hopper Feed Screw Replacement Project: Staff is coordinating with BR Welding on submittals. To date, GHD remains at 77% of the total Engineering Services budget of \$107,676.

Contract 22-4 Hopewell WWTP Upgrade: Submittal review is ongoing. The project is approximately 40% complete (by value); 68% complete (by contract time). Work completed during this period includes:

- PRIMARY CLARIFIERS
 - Launderers for #1 and #2 complete, weir, baffles, and steel assemblies
- FILTER/UV BUILDING
 - Masonry and electrical work, structural steel
- OPERATIONS BUILDING
 - Masonry and electrical work
- SECONDARY SETTLING TANK
 - Weir/baffle installed
- SLUDGE PUMPING STATION
 - Roofing, concrete repairs, painting
- PACL BUILDING
 - Roofing and painting
- PROCESS PIPING
 - PSL, service water, WAS, primary scum, secondary sludge, secondary effluent
- GRAVITY THICKENERS
 - Concrete repairs
- POST AERATION TANK
 - Concrete repairs

Contract 24-7: RRWWTP Nitrification Clarifier No. 4 Improvements Project: The flapper valve, designed to flush the scum box only when the arm passes by, has been repaired. However, upon restarting the drive, staff observed an unusual noise coming from the gear motor. Brayco was on site on July 14, 2025, to swap out the faulty gear motor with a new assembly.

Contract 24-11: Above-Ground Fuel Storage Tank Replacements: On July 8, 2025, a Response Action Outcome (RAO) Report was submitted to NJDEP. RJ Walsh Associates, Inc. anticipates delivery and installation of the ASTs to resume in August 2025.

Contract 25-1: Thickener No. 2 Improvements Project: Staff are coordinating with the contractor to schedule a pre-construction meeting.

Project 22-2 GE 90-30 PLC Upgrade: No additional progress has been made during this reporting period.

Project 25-4: Millstone Pump Station Variable Frequency Drives Replacement: The installation of the four (4) new U1000 VFDs at the Millstone Pump Station is scheduled to commence after new contactors are installed in the cabinet to isolate the drive front-end from the electrical system when powered off, improving power factor. See the note for Project 25-5 for further explanation.

Project 25-5: South Brunswick Pump Station Variable Frequency Drives Replacement: The installation of the three (3) new U1000 VFDs at the South Brunswick Pump Station is completed. All drives are online and commissioned. A power factor issue was discovered during a generator load test that was determined to be caused by the passive front-end of the new drives. The passive harmonics correction is causing low power factor current to move around the electrical system, causing the generator windings to overheat. Willier Electric, at the direction of Yaskawa, is installing contactors in the cabinet to isolate the standby drives from the electrical system to correct this issue.

Process Control/SCADA

Preventive maintenance was completed for all field devices and process control loops.

Miscellaneous Repair: Instrumentation staff completed the following list of unscheduled repairs during this reporting period.

- River Road WWTP
 - The extensive efforts of the Instrumentation Department were critical to resolving burner ignition issues in Incinerator #1 on June 14, 2025, following a power disruption. Over the course of June 14–15 (Father's Day weekend), staff dedicated a combined total of 21.5 hours to troubleshooting the incinerator's complex ignition and control systems. Notably, Jim Germann provided exceptional support, logging 15.5 hours on site, across both days, to methodically diagnose the problem. Their persistent work in systematically testing circuits, controls, and mechanical components was essential to identifying the pilot burner gas-supply solenoid valve failure. A new solenoid valve was installed, and the incinerator was returned to service on June 15, 2025.
 - Re-fabricated the pull box for network cables at the headworks building
 - Added a pilot light to the locker room exhaust fan
 - Relocated all instrumentation inventory from the hallway storage room and Kaeser room storage cage.
 - Replaced the PEPCON unit (CD400) magmeter measuring recycling flow.
 - Installed new lighting fixtures in the instrumentation office.
 - Checked the calibration of the UV transmittance sensors.
 - Discovered the location and purpose of unlabeled circuits from panelboard B5, and removed the heating circuit from panelboard B5.
 - Updated drawings for Headworks rewire project.

- Coordinating the conversion of the natural gas generator PLC from Siemens to Emerson.
- Tested the Mercoid switches for the low/high scrubber pumps.
- Replaced the condenser tray flow and quench weir supply flow orifice plates on VenturiPak scrubber No. 1.
- Remounted damaged inverters onto the disk filter drive motor
- Inspected the operation of the burners on hearth No. 3 and No. 5 .
- South Brunswick Pump Station
 - Coordinated with maintenance to perform auto-tuning of the newly installed matrix drives.
 - Performed a power analysis of the new matrix drives after a reported power factor issue
- Hopewell
 - Replaced the faceplate for the influent wet well after the existing one had failed.

Information Technology

General:

- **Preventative Maintenance**
Preventative maintenance was completed for all Information Technology devices and services.

During this reporting period:

- Three server backups (svr09, svr10, svr12) were checked for corruption and readability. All backups are valid and recoverable.
- Security awareness training status: 100% complete.
- **Network (Firewall, Routers, Switches, and interconnects)**
 - Fiber
 - New fiber terminations have been ordered and delivered. These are used to maintain the older multimode fiber still in use on the plant site.
 - Switches
 - New hardware was ordered and arrived to cluster the set of 4 primary network switches used for day-to-day work in the operations building. This “stacking” will provide ease of configuration management and additional routing redundancy for stability.
- **Servers (Computers and Storage)**
 - Storage Project, 2025
 - Storage array configuration has been finalized and quotes generated. Staff will continue to work with Dell until installation is complete.
 - Compute Nodes
 - Staff have ordered 2 new Dell servers to update our existing hypervisor installation. Staff expect delivery by the end of the month.
 - New Laptops

- To accommodate staff, a set of new laptops has been ordered and received. These machines will be imaged identically for the Instrumentation staff to prevent version mismatch and related issues in the future.
 - Tablets
 - The Samsung MDM utility is functioning well as a device management tool.
- **Software**
 - Contracts and Bids web application
 - Staff have selected CivicPlus to develop and implement a new web site which includes a system for better handling of bid/rfp/rfq data.
 - Electronic Sludge Receiving Forms
 - No changes this reporting period.
 - TRACE Web/TRACE2
 - During a burnout window, TRACE remotely assisted with fixes on our reporting agent. Issues with the subpart O reports have been corrected, and the software has been updated.
 - Scripts and Tools
 - Bank check verification from MCSJ.
 - Pay2Play report from MCSJ parsing.
 - Simulated period closeouts from MCSJ.
 - Lab DMR submission script has broken due to changes on the NJ.GOV website. We are searching for a viable solution.
- **Safety & Surveillance**
 - Surveillance Cameras
 - 3 cameras installed by Instrumentation. (UV MCC, UV Disinfection, Disc Filter MCC)
 - Request for an additional camera to monitor the auxiliary gate on River Road.
 - Instrumentation Basin
 - UV Parking
 - Public Address
 - Testing multicast paging, Polycom proprietary.
 - Fleet Vehicle Tracking
 - The hardware was delivered, and staff are scheduling a window for installation with Verizon.
 - Front Gate
 - New sensors have arrived for the front gate repairs, installation pending.
- **SCADA/Industrial**
 - RiverFlow Tracking
 - IT has improved our SCADA system to inform Operations and Laboratory staff of the Millstone River flow, so a prompt determination of when the re-activation of the PACL system can be performed.

Technology Department Meeting

- New requests and requests for updates.
 - Engineering Dept, Requests Google Drive storage for integration with ChatGPT
 - Request to Instrumentation for RNG on PLC withdrawn after discussion with KH
 - Investigating Meter station cabinets for the installation of new UPS devices.
 - Engineering requests AutoCAD base license DRAFTING/2

647.13 Finance

Mr. Goldfarb moved Resolution 2025-065 to Approve Payment of Bills and Claims in the amount of \$1,344,321.48 with two signatures instead of three. Mr. Morehouse seconded the motion, which was passed by a roll call vote of 6 to 0. Resolution 2025-065 follows.

Payment of Bills and Claims

Resolution to Approve Payment of Bills and Claims

Resolution No. 2025-065

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 \$1,344,321.48 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>
Gale D. Downey	X			
Julian Antebi	X			
Arundhati Bhosle	X			
David A. Goldfarb	X			
C. Schuyler Morehouse ⁽¹⁾	X			
Bharat Patel	X			

(1)Abstained from payments to Allied Construction, Kleinfelder, and CDM Smith

Treasurer's Report

Mr. Mazich reported a net income of \$1,995,101 through June of the 2025 fiscal year.

Mr. Mazich reported that the Authority has total cash and investments of \$23,397,358. The current construction project balance is \$3,35,444, and sufficient funds exist for these projects. The outstanding bond principal balance is \$29,134,227.

Mr. Mazich reported that the Authority received \$2.9 million from the I-Bank, and there is \$1.8 million in encumbrances.

Mr. Mazich reported that our customer Firmenich's check was returned to them. We are waiting for a replacement check.

Monthly Sludge Business Analysis

Mr. Mazich reported that the sludge revenue for June was \$238,363, and the year-to-date cumulative revenue is \$1,839,360.

Mr. Mazich reported that the natural gas utility hedge pricing is about to expire. Recent hedge prices have increased approximately 30% since the last time we locked it in, in July 2024. We continue to monitor gas utility pricing.

Mr. Mazich reported that staff are continuing to gather information for the 2026 Budget.

Mr. Goldfarb requested that the Finance Committee meet in mid-August to review the proposed 2026 budget before it is presented at the August Board meeting. Additionally, seven (7) months of flow data are requested to be included in the budget report.

A discussion took place regarding the Capital Plan and participant flows.

Staff recommended for approval resolution 2025-066, Appointing a Qualified Purchasing Agent (QPA) and Adopting Increased Local Public Contracts Law Bid Threshold.

This resolution appoints Lisa Walker as the Qualified Purchasing Agent (QPA) and increases the bidding threshold pursuant to N.J.S.A. 40A:11-3(c) from \$44,000 to \$53,000.

Resolution 2025-066 was moved by Mr. Goldfarb, seconded by Ms. Bhosle, and passed by a roll call vote of 6 to 0. Resolution 2025-066 follows.

Resolution Appointing a Qualified Purchasing Agent (QPA) and Adopting Increased Local Public Contracts Law Bid Threshold

Resolution No. 2025-066

WHEREAS, consistent with the New Jersey Local Public Contracts Law, the Stony Brook Regional Sewerage Authority ("SBRSA") desires to appoint a Qualified Purchasing Agent (QPA) in accordance with N.J.S.A.40A:11-9(b); and

WHEREAS, the Local Public Contracts Law N.J.S.A. 40A:11-3 bidding threshold was recently increased pursuant to N.J.S.A. 40A:11-3(c) from \$44,000 to \$53,000.

NOW THEREFORE BE IT RESOLVED, that the SBRSA hereby appoints Lisa Walker as the SBRSA Qualified Purchasing Agent (QPA) and authorizes the QPA to award contracts without public advertising for bids up to the new threshold of \$53,000, consistent with the Adjustment to Public Bidding attached hereto and made a part hereof; and

BE IT FURTHER RESOLVED, that a Certified copy of this resolution, and the QPA Certification of Lisa Walker be maintained as required by law.

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>ABSENT</u>
Gale D. Downey	X			
Julian Antebi	X			
Arundhati Bhosle	X			
David A. Goldfarb	X			
C. Schuyler Morehouse	X			
Bharat Patel	X			

647.14 Personnel Report

Mr. Smith reported that there is nothing new to report during this reporting period.

Mr. Smith stated that we have two open positions: an Operator V and a Mechanic III.

647.15 Correspondence

For information only.

647.16 Old Business

Nothing to report.

647.17 New Business

Mr. Stewart reported on Thursday, July 17, 2025, that sealed bids for the Hauling and Disposal of Grit and Screenings were opened. For bid comparison purposes, the bid documents specified an annual quantity of 20 filled containers, with each container holding 20 cubic yards. The weight of each container was estimated to be an average of 10 tons. The total price is the combination of the Tipping Fee plus the Hauling Fee. Two bids were received. One bid from Spectraserv Inc. and the other from Frank Galbraith & Son.

After reviewing the low bidder's package and finding it in order, staff would recommend that a two-year contract be awarded to the low bidder, Frank Galbraith & Son, in the amount of \$99,800.

Staff recommended approval of Resolution 2025-060, Award Contract for the Hauling and Disposal of Grit and Screenings to Frank Galbraith & Son.

Resolution 2025-060 was moved by Mr. Goldfarb, seconded by Mr. Morehouse, and passed by a roll-call vote of 6 to 0. Resolution 2025-060 follows.

**Resolution to Award Contract for the
Hauling and Disposal of Grit and Screenings**

Resolution No. 2025-060

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

WHEREAS, the following sealed competitive bids were received by the Authority on July 17, 2025, as more fully set forth in the attached Bid Tabulation Sheet:

	Tipping Fee	Hauling Fee	Total Price
<u>Twelve (12) Months</u>			
Spectraserv Inc.	\$25,000.00	\$26,000.00	\$51,000.00
Frank Galbraith & Son	\$23,900.00	\$23,000.00	\$46,900.00
<u>Twenty-Four (24) Months</u>			
Spectraserv Inc.	\$50,800.00	\$53,800.00	\$104,600.00
Frank Galbraith & Son	\$47,800.00	\$52,000.00	\$99,800.00

WHEREAS, the Authority has determined that the bid of Frank Galbraith & Son Excavation and Demolition is the lowest responsible bid; and

WHEREAS, the bidder, Frank Galbraith & Son Excavation and Demolition submitted a bid in the amount of \$46,900.00 for a one-year contract, and a bid of \$99,800.00 for the two-year contract; and

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

informalities and defects in bids, as may be permitted by law if it is deemed in the best interest of the Authority to do so; and

NOW, THEREFORE, BE IT RESOLVED by the Stony Brook Regional Sewerage Authority that it hereby awards a two-year contract effective August 1, 2025, for the bid of the hauling and disposal of grit and screenings to the lowest responsive bidder, Frank Galbraith & Son Excavation and Demolition, whose office is located at 831 Raritan Road, Scotch Plains, NJ; and

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

Certification of Funds

I, James Mazich, Chief Financial Officer, do hereby certify that sufficient funds are available in Grit Removal line account 3000-4509. Only amounts for the Fiscal Year 2025 Budget Year have been certified. Amounts for future years are contingent upon sufficient funds being appropriated.

/s/ James Mazich

Chief Financial Officer

Stony Brook Regional Sewerage Authority

Dated: July 17, 2025

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>RECUSED</u>	<u>ABSENT</u>
Gale D. Downey	X				
Julian Antebi	X				
Arundhati Bhosle	X				
David A. Goldfarb	X				
C. Schuyler Morehouse	X				
Bharat Patel	X				

Mr. Stewart reported that CDM Smith, Inc. has completed Phase 1 of the asset management program development, which included an asset management gap assessment. To continue this effort, SBRSA requested a proposal for for the next phase of work, which they provided with four defined tasks focusing on the condition, criticality, and asset registry, as well as an overall update of the asset management plan for \$167,000.

Resolution 2025-063 was moved by Mr. Antebi, seconded by Mr. Patel, and passed by a roll call vote of 5 to 0, 1 recused. Resolution 2025-063 follows.

Resolution Authorizing the Award of a Professional Services Contract for Asset Management Program Development – Phase 2 to CDM Smith, Inc.

Resolution No. 2025-063

Date: July 22, 2025

WHEREAS, the Stony Brook Regional Sewerage Authority “Authority” has a need for expert professional services to develop an asset management program for the Authority; and

WHEREAS, the development of an asset management program is included as an approved project under the Authority’s 5-yr Capital Plan; and

WHEREAS, CDM Smith, Inc. has submitted a proposal dated July 15, 2025 indicating they will provide asset management program services, including the completion of an Mpulse gap assessment, a criticality analysis of assets at the River Road WWTP and Princeton PS, and completion of a framework for asset condition assessment; and

WHEREAS, the term of the contract shall not exceed 12 months pursuant to the Local Public Contracts Law (N.J.S.A. 40A:11-3(b)) and shall require compliance with the Section for Municipal Contracts and Professional Services, N.J.S.A. 19:44A-20.4 et seq.; and

NOW THEREFORE, BE IT RESOLVED that the Board of the Stony Brook Regional Sewerage Authority as follows:

1. The Stony Brook Regional Sewerage Authority (the “Authority”) does hereby authorize the Chairman to execute a Contract between the Authority and CDM Smith, Inc., whose business address is located at 110 Fieldcrest Ave, 6th Floor, Edison, New Jersey, in an amount not to exceed \$167,000.00, in accordance with the attached proposal dated July 15, 2025. Said contract shall not allow political contributions pursuant to the applicable provisions of N.J.S.A. 19:44A-20 et seq.
2. The foregoing services are “professional” services as defined in N.J.S.A. 40A:11-2(6) which are permitted to be contracted without public bidding as set forth in N.J.S.A. 40A:11-5(1) (a) and as a “non-fair and open” contract pursuant to the provisions of N.J.S.A. 19:44A-20-5.
3. The term of the contract shall be 12 months from the date the contract is fully executed.
4. The Business Registration Certificate, Business Entity Disclosure Certification and Determination of Value shall be placed on file with this resolution.
5. Within ten days of adoption of this Resolution, notice of the nature, duration and amount of the contract shall be published once in the newspaper of general circulation and a copy of this resolution and the agreements shall be on file and available for public inspection in the offices of the Authority as required by N.J.S.A. 40A-11.5.
6. This Resolution shall take effect as provided by law.

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

Certification of Funds

I, James Mazich, Chief Financial Officer, do hereby certify that sufficient funds are available in account 0001-5509 – Contingency Reserve Fund.

/s/ James Mazich

Chief Financial Officer

Stony Brook Regional Sewerage Authority

Dated: July 16, 2025

<u>Recorded Vote:</u>	<u>AYE</u>	<u>NO</u>	<u>ABSTAIN</u>	<u>RECUSED</u>	<u>ABSENT</u>
Gale D. Downey	X				
Julian Antebi	X				
Arundhati Bhosle	X				
David A. Goldfarb	X				
C. Schuyler Morehouse				X	
Bharat Patel	X				

647.18 Open to the Public

Dr. Downey opened the public portion of the meeting at 7:24 p.m. Hearing no comments from the public, as no public was present in either the conference room or on the teleconference call, Dr. Downey closed the meeting to the public at 7:24 p.m. and continued the meeting as scheduled.

647.19 Adjournment

As no further business was to come before the Board, the meeting was adjourned at 7:25 p.m. on a motion by Mr. Morehouse, seconded by Mr. Antebi, and passed by unanimous vote.

Respectfully Submitted,

David Smith
Secretary

Recorded and written by
Angela Christiano
August 11, 2025