

649, September 30, 2025 – Stony Brook Regional Sewerage Authority

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

MEMBERS PRESENT: Downey, Antebi, Goldfarb, Patel

MEMBERS ABSENT: Bhosle, Morehouse

CONSULTANTS: Alexander

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

649.01

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.

649.02 Approval of Minutes

The draft minutes from the August 26, 2025, Board Meeting were approved as presented by Mr. Patel, seconded by Mr. Antebi, and passed unanimously.

649.03 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 6:32 p.m., and the meeting continued as scheduled.

649.04 Board Related Activities

Mr. Smith reported that a contract extension with Gabel Associates is proposed for Natural Gas Energy Agent services. The extension will retain Gabel's services through July 31, 2026. Discussion will be held in the Finance section.

Mr. Smith reported that the letter addressed to NJDEP, dated September 19, 2026, and signed by Dr. Downey, serves as our formal response to the proposed Judicial Consent Order (JCO) concerning defendant 3M Company.

Mr. Smith reported that Resolution 2025-088, Authorizing the Filing of Litigation Intervening in The Matter Of NJDEP, Et Al., V. E.I. Dupont De Nemours and Company, Et Al., Case No.: 1:19-Cv-14766-RMB-JBC (D.N.J.) will be discussed during the Executive Session.

649.05 Planning and Administration

Mr. Smith reported that the current 12-month average daily flow at River Road WWTP is 7,750,223 gpd, with 1,444,645 gpd of inoperative flow, leaving an available capacity of 3,865,132 gpd. The current 12-month average daily flow at the Hopewell WWTP is 192,890 gpd, with zero gpd of inoperative flow, leaving an available capacity of 107,110 gpd. The current 12-month average daily flow at Pennington WWTP is 234,946 gpd, with 22,139 gpd of inoperative flow, leaving an available capacity of 186,915 gpd.

Mr. Smith reported that flowmeter certifications were completed by W.G. Malden on September 2, 2025. All flowmeters were within $\pm 5\%$.

Mr. Smith reported that on August 28, 2025, the flow totalizer at the Princeton Pump Station reset mid-day and contained a data gap from approximately 09:30 to 12:00. The August 28 daily flow total was recalculated by substituting the day's average flow for the 24-hour period.

Mr. Smith reported that the flow totalizer data for Meter Station No. 7 was corrupted from approximately 14:00 to 16:00 on August 21, 2025. The flow totalizer for that date was recalculated using the average flow data for the 24-hour period.

Mr. Smith reported that SBRSA will schedule a technical meeting with engineering and sewer departmental staff from our Member Participants to discuss Infiltration and Inflow (I&I). The initial meeting will be held in January 2026.

649.06 Approval/ Extension Requests and Actions

Mr. Doelling reported that one (1) TWA time extension for Canterbury Estates (175-179 Old Beekman Road), Block 93.12, Lot 24.10, South Brunswick Township, Middlesex County. The subject property previously received NJDEP Treatment Works Approval (23-0107) to serve six (6) proposed and one (1) existing 4-bedroom dwellings located on Block 93.12, Lot 24.10 in South Brunswick Township. The projected flow rate for this subdivision is 2,100 gallons per day (gpd). This project was approved (Resolution No. 2023-013) at the Authority Board meeting held on January 23, 2023.

Amertech Engineering, Inc., on behalf of Dream Developers LLC, has requested a TWA time extension due to project delays stemming from conditions cited in the township's resolution. If approved, the applicant expects to begin construction by the end of this year, assuming timely receipt of a TWA extension from NJDEP.

Mr. Doelling reported that the letter from Mr. Aly of Amertech, dated September 8, 2025, included in the report addressed the SBRSA's submittal requirements. As requested, the applicant's engineer has provided written consent from the Township Council of South Brunswick (via the approving resolution adopted on September 4, 2025), which conditionally grants final subdivision approval.

Staff recommended approval of Resolution 2025-082, Endorsing Request for Time Extension of Treatment Works Approval for the Canterbury Estates (175-179 Old Beekman Road); Block 93.12, Lot 24.10; South Brunswick Township, Middlesex County, South Brunswick Township, Mercer County.

Resolution 2025-082 was moved by Mr. Patel and seconded by Mr. Goldfarb and passed by a roll call vote of 4 to 0. Resolution 2025-082 follows.

**Resolution Endorsing Request for Time Extension of Treatment Works Approval
for the Canterbury Estates (175-179 Old Beekman Road); Block 93.12, Lot 24.10; South
Brunswick Township; Middlesex County**

Resolution No. 2025-082

WHEREAS, a Treatment Works Approval for the Canterbury Estates (175-179 Old Beekman Road, Block 93.12, Lot 24.10) was approved by the Stony Brook Regional Sewerage Authority (SBRSA) at its January 23, 2023, meeting (Resolution No. 2023-013); and

WHEREAS, the Treatment Works Approval was for construction of sanitary sewer service to six new dwellings and one existing dwelling was approved, but not constructed; and,

WHEREAS, the gallonage required to service the proposed Project pursuant to the NJDEP criteria is in the amount of 2,100 gallons per day; and

WHEREAS, the applicant has requested a time extension and has provided detailed information supporting this request; and

WHEREAS, the project is more particularly described in the Treatment Works Approval Permit Application Form (TWA-1), on file at the offices of the SBRSA.

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

1. Contingent upon South Brunswick Township's written consent to the extension, the Authority hereby endorses the TWA time extension request submitted regarding the Canterbury Estates Project and confirms commitment of the proposed 2,100 gpd allocation.
2. The Executive Director of SBRSA is authorized and directed to forward a copy of this resolution to the applicant for a time extension of Treatment Works Approval.
3. The Applicant is reminded that annual reports describing all treatment works and project construction, and accounting for connected and unconnected flows until all allocated

flows are connected, are required.

<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			

Mr. Doelling reported that 3,915 gpd of new flow associated with the Caspersen Rowing Center project, Block 25, Lots 7 & 10, approved at last month's meeting (Resolution 2025-071), was added to the inoperable flow for the Township of West Windsor.

649.07 Regulatory Report

There were no 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 July 2025 were submitted. No violations were reported.

The August 2025 DMRs are currently being reviewed.

The August 2025 Total Phosphorus Action Level Report was submitted to NJDEP by email on September 16, 2025.

Residuals Discharge Monitoring Report (RDMR)

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

The July 2025 RDMRs are currently being reviewed.

Air Reporting

An Affirmative Defense letter and a follow up report (required by Section V, paragraph D.29 of the 2022 Consent Decree) were submitted to the EPA, NJDEP, USDOJ, and NJOAG on August 22, 2025, for the previously reported July 26, 2025, Emergency Bypass event due to loss of commercial power.

The draft BOP130002 OS2/OS4 Annual Emergency Bypass Use Report (submitted quarterly) for the period January 1, 2025, through August 31, 2025, was provided as requested. One (1)

additional bypass event occurred, as noted above, bringing the total number of Emergency Bypass Stack events in 2025 to five (5).

Mr. Goldfarb expressed satisfaction with the information provided in the Safety Report, noting he is pleased with how SBRSA is currently managing safety operations.

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 September 23, 2025, the Stony Brook Regional Sewerage Authority has gone 53 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.

Over the past five (5) years, SBRSA’s emphasis on comprehensive safety training and open communication via the safety committee has fostered a culture of accountability and continuous improvement. While the number of reported incidents initially trended upward, this increase reflects our success in encouraging employees to report all accidents and near-misses, regardless of consequence. More comprehensive reporting has provided management with valuable insights into potential hazards, enabling us to address issues proactively. This shift demonstrates both the effectiveness of our safety training programs and the staff’s willingness to engage in the reporting process.

Inspections:

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

An updated summary list of Priority 1 safety suggestions and recommendations from the 2025 Annual Inspection Report and the periodic NJUAJIF Loss Control Reports was provided. This list details the progress made on all outstanding items since December 1, 2024, and includes both corrective actions that have been completed and items that remain open. The updated information is based on field inspections, maintenance records, and follow-up verification conducted through September 2025. As of September 2025, a significant portion of the identified Priority 1 items have been addressed, and several high-priority corrective actions remain in progress.

Training:

At SBRSA, employee safety and environmental responsibility are core priorities. Because our staff work in an industrial environment, they face potential hazards such as exposure to pathogens and chemicals, confined spaces, extreme heat, electrical and arc flash risks, heavy machinery, and traffic. Proper training and the issuance of Personal Protective Equipment (PPE) are essential to protecting personnel and operations. Additionally, SBRSA’s Environmental Management System (EMS) Manual provides the framework to meet and exceed regulatory

requirements, integrate environmental considerations into daily operations, and continuously improve performance. Together, our comprehensive safety training program and EMS initiatives foster a culture of accountability, risk reduction, and continuous improvement, ensuring that employees are educated in safe practices, supported by clear policies and procedures, and equipped to protect both workplace and community health.

Annual training is mandatory for all operations and maintenance personnel, combining classroom instruction with hands-on simulations to prepare staff for real-world hazards. Training emphasizes hazard identification, reinforces established safety procedures, and is regularly supported by management through safety discussions and issue resolution. This proactive approach improves compliance, reduces workplace injuries, and lowers workers' compensation claims.

SBRSA's training program includes:

- Personal Protective Equipment (PPE)
- Hazard Communication / Globally Harmonized System (GHS) / Right-To-Know
- Confined Space Entry
- Lockout/Tagout (LOTO)
- Arc Flash Safety
- Forklift Operation
- Back Safety & Material Handling
- Ladder Safety / Walking & Working Surfaces
- Air Monitoring Equipment
- Fall Protection Awareness
- Snow Removal Safety
- Fire Extinguisher / Fire Safety
- Respiratory Fit Testing & Medical Testing
- Hearing Conservation
- Blood-Borne Pathogen Training
- Hepatitis Training and Vaccine
- Accident Reporting for Supervisors
- Job Safety Analysis (JSA)
- Driving Safety Awareness
- Employee Conduct & Workplace Violence Prevention
- Ethical Decision-Making
- Implicit Bias in the Workplace
- Indoor Air Quality (Designated Person Training)

During this reporting period, staff attended Fire Safety and Confined Space Entry training provided by the MEL Safety Institute.

The EMS complements training by establishing the policies and procedures that guide daily operations. These include:

- Bloodborne Pathogens
- Confined Space
- Conveyance System Operation and Maintenance Manual
- Electrical and Arc Flash Program
- Emergency Action Plan
- Fire Prevention Plan
- Hazardous Waste Management Plan
- Hazard Communication Program
- Welding and Cutting (Hot Work) Program
- Indoor Air Quality Program
- Laboratory Chemical Hygiene Plan
- Lockout/Tagout Program
- Personal Protection Policy
- Respiratory Protection Program
- Smoking Policy
- Spill Prevention Control and Countermeasure Plan (SPCC)
- Stormwater Pollution Prevention Plan (SPPP)
- Underground Storage Tank Routine Monitoring Procedures
- Underground Storage Tank Release Response Plan

Miscellaneous

The Safety Committee met on Tuesday, September 9, 2025. The minutes from this meeting are provided in the report.

649.09 Litigation

Dr. Downey reported that the litigation section will be discussed in a closed session.

649.10 Operations Report

River Road Facility

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

During this reporting period, one bid opening occurred for the supply of Trojan UV parts, but no bids were received. We plan to re-bid in October 2025.

During the week of September 16, 2025, 190 cubic yards of mulch were delivered. This particular blend of mulch was added to the seven (7) biofilters that treat odorous gases from the Headworks and Modified Aeration Tanks. The installation of the mulch was completed by the end of the week. The media is on a three (3) year rotation, replaced every third year, and topped off from the previous years due to compaction. Next year will be a full replacement of media, along with an inspection of the filter support trays and ducting.

As part of the Sludge Business Analysis, staff explored alternative options for disposing of sludge cake. If SBRSA needs to haul sludge cake offsite permanently or during an emergency, the most nearby and cost-effective solution is the McGill Compost Facility in Fairless Hills, Pennsylvania. Some staff members were invited to tour the operation and facility. SBRSA is considering an emergency agreement with McGill. However, this agreement could be challenging because McGill is restricted from serving areas in Mercer County, which includes SBRSA's site. To proceed, McGill must first obtain approval from Waste Management to lift these restrictions.

On August 5, 2025, staff received notification from Jim Cosgrove of One Water LLC regarding the issuance of a harmful algal bloom (HAB) advisory in Carnegie Lake. That day, the River Road PACL feed system was placed into service. The system remained in operation due to low precipitation levels, and flows at the Blackwells Mills Station have been consistently below the 100 cfs threshold, which triggers the Action Level in the River Road discharge permit. Dosing to maintain Action Level compliance ranged between 450-475 gpd while total phosphorus levels in the effluent varied from 1.32 to 0.309 mg/L. SBRSA has maintained compliance with the Permit Action Level since the permit condition took effect in 2024.

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

On August 6, 2025, the Pennington PACL feed system was placed into service in response to reports of a harmful algal bloom (HAB) advisory in Carnegie Lake. Effluent limits for total phosphorus (TP) are currently not in effect for the Pennington WWTP; however, the PACL system has been placed into operation to help reduce nutrient loading in downstream waters. The system, similar to the River Road WWTP operation, has been online since August 6, 2025, with a current dose of 12 gpd and an average TP concentration of 0.10 mg/l TP.

Mr. Stewart reported that a kickoff meeting for Phase II of SBRSA's Asset Management Plan (AMP) was held on September 11, 2025. The meeting topics included some of CDM Smith's initial findings on the current capabilities of the Computerized Maintenance Management System (CMMS), as well as the asset registry, work order management, and preventive maintenance tasks. The next part of this phase will address creating an asset hierarchy. This scope of work is planned to be completed over a nine (9) month period with additional workshops as the work progresses.

The ongoing audit of plant inventory is approximately 52% complete, with a target goal of 100% completion by year's end. After the River Road WWTP inventory audit has been completed, the Upstream facilities will be addressed in the next phase. Lastly, the pumping stations will be reconciled to complete the inaugural audit. As the audit progresses, controls will be implemented to ensure the continued accuracy of both the CMMS and in-field inventory values.

The reported quantity of liquid sludge is 13% above the budgeted amount; sludge cake was 1% above the budgeted amount, and gray water was 5% below the budgeted amount for August 2025.

649.11 Maintenance

Mr. Hilty reported that the report contains new graphs that simplify the preventative maintenance and work order data from five previous charts into two (2) charts.

There were no 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 successfully completed forty-five (45) work orders and one hundred thirty-nine (139) preventive maintenance orders. Currently, there are six (6) open work order requests and seven (7) outstanding preventative maintenance orders that are more than ten (10) days overdue. Open and completed work orders, as well as preventative maintenance orders, are tracked and illustrated on the graphs provided.

Major Maintenance Repairs:

On August 24, 2025, Belt Filter Press No. 1 was discovered to be leaking hydraulic oil during operation, resulting in multiple process issues. Inspection traced the leak to the upper belt dual-acting hydraulic steering cylinder, which controls belt alignment. The cylinder was deemed beyond repair and required complete removal and replacement. A reconditioned dual-acting cylinder was sourced from inventory, and Belt Filter Press No. 1 was locked out to begin repairs. The connected steering roller was rigged and secured before detaching the bearings and brackets. The replacement cylinder was installed, and new hydraulic oil supply lines were added to ensure reliable operation. The hydraulic system was tested and verified to be leak-free, and the steering cylinder was confirmed to be fully functional. On August 25, 2025, Belt Filter Press No. 1 was returned to service after all hydraulic leaks had been resolved.

On August 28, 2025, Schwing Sludge Cake Pump No. 4, one of the incinerator feed pumps, stopped pumping and was shut down before switching to alternate Pump No. 3. Inspection revealed that the screw hopper gearbox top gear bearings and gear teeth were worn beyond serviceable limits, preventing the screws from turning. Preparations were made to empty the hopper and remove the worn gearbox. A spare gearbox, screw shaft packing, additional stub shafts, and hardware were sourced from inventory in advance. Once assembled, the worn gearbox was disconnected from the screw shafts, new packings were installed, and the replacement gearbox was mounted. Screw timing was checked and verified before bolting and securing the gearbox in place. The unit was filled with gear oil and tested to ensure proper operation. On August 31, 2025, Schwing Pump No. 4 was returned to service.

On September 9, 2025, the Modified Aeration Effluent Channel Mixer No. 2 was found inoperable during routine plant surveillance. The mixer was hoisted from the channel for inspection, revealing large accumulations of rags and debris wrapped around the impeller. After cleaning and testing, the rotating assembly exhibited rough operation and difficulty turning, indicating internal damage. A replacement mixer was taken from inventory, transported to the work area, and installed. The electrical control terminals were reconnected, and rotation was

verified before lowering the mixer back into the channel. On September 10, 2025, the Modified Aeration Effluent Channel Mixer No. 2 was returned to full service.

On September 17, 2025, Schwing Sludge Cake Pump No. 3 experienced unstable feed flow to the incinerator. An investigation determined that the Sludge Cake Storage Hopper Screw Drive No. 7 had only one of its two feed screws operating, resulting in reduced sludge delivery to the Schwing Pump No. 3. The system was temporarily operated using the remaining screw until the hopper could be emptied and prepared for safe entry. After shutting down and locking out the storage bin, it was washed down, and a hatch was removed for internal inspection. The driven screw was found to have three sheared stub shaft bolts, leading to the shaft's failure. Replacement hardware had been assembled from inventory in advance to minimize downtime. The broken bolt fragments were removed, and new bolts, nuts, and washers were installed and tightened. After successful testing and verification of operation, the hopper was sealed and returned to service. On September 21, 2025, the Sludge Cake Storage Hopper Screw Drive No. 7 was fully operational.

649.12 Construction Report

Mr. Doelling reported on the 2025 Annual Odor Study: The 2025 TRC odor study was conducted on August 18 and 19, 2025, with odor panel analysis completed on August 19 and 20, 2025. Simultaneously, SBRSA Laboratory staff collected hydrogen sulfide (H₂S) readings using SBRSA's Jerome H₂S Analyzer. Attached is the 2025 TRC report, along with a summary table comparing this year's odor and H₂S results with data from the past five years of odor studies.

Mr. Doelling reported on the RTO Media and Force Draft Fan Replacement Project. Advertisements for bids were published for this project on September 4, 2025. No bids were received by September 23, 2025, the bid due date. Staff will proceed with a re-bidding of the project in October.

Mr. Doelling reported on Contract 20-2 River Road Sludge Storage Hopper Feed Screw Replacement Project. Staff continues to coordinate with BR Welding on submittals. On-site construction work is scheduled to commence following the 2026 stack test. To date, GHD remains at 90% of the total Engineering Services budget of \$107,676.

Mr. Doelling reported Contract 24-11: Above-Ground Fuel Storage Tank Replacements. The new Above-Ground Fuel Storage Tank (AST) at the Hopewell Wastewater Treatment Plant has been delivered and installed. R.J. Walsh is currently awaiting delivery of the tank leak monitoring system, which must be installed before the tank can be placed into service. Once operational, the project will proceed with the replacement of the AST at the Millstone Pump Station.

Mr. Doelling reported on Project 24-10: RRWWTP Fire Hydrant Replacement. Between September 10 and 15, 2025, contractors were onsite to repair a leak in the pipe located between the new Filter Building and Nitrification Clarifier No. 1. The leak was successfully repaired; however, when the system was recharged, the line pressure remained low, indicating that another

major leak exists. Staff are actively working to locate and assess the additional leak and further repairs will be scheduled.

A discussion took place about fire suppression and a path forward to fully restoring the onsite water distribution system.

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 (OWC) has completed its sampling work and removed its meters from the Millstone River. Staff are currently awaiting laboratory results from the samples collected, which are expected within the next month. Once received, OWC staff will analyze the data and prepare a summary memo, anticipated by the end of the year.

SBRSA continues to operate its PACL injection systems at both the River Road WWTP and the Pennington WWTP (upstream of Lake Carnegie).

Preliminary findings continue to support the conclusion that Carnegie Lake is the primary source of the observed water quality issues in the Millstone River. In fact, the NJ Water Supply Authority has been persuaded of this through the data already gathered. This outcome reinforces the value of our multi-year monitoring efforts, which appear to be yielding meaningful results.

NJPDES Permit: One Water Consulting (OWC) continues to respond to NJDEP's technical questions regarding the nitrate study and has provided NJDEP with one additional model simulation. Despite the added scrutiny, the conclusions remain unchanged: SBRSA's effluent does not need to be subject to nitrate limits in order to meet the instream nitrate standard.

Staff remains optimistic that NJDEP will ultimately approve the study. Once approved, we will advocate for a formal modification to the NJPDES permit to remove the existing nitrate limits.

Pump Station Substation Replacement Study: Staff met with ELECSYS on August 27, 2025, to review the draft study evaluating the replacement of aging main substations at SBRSA's Millstone, South Brunswick, and Princeton pump stations. Based on the discussion, SBRSA will proceed with upgrading the three pump station substations as separate projects, beginning with the South Brunswick Pump Station. Staff have since provided ELECSYS with additional data necessary to finalize the report. Once complete, we will request a proposal from ELECSYS for the design of the South Brunswick Pump Station substation upgrade.

Dewatering Alternatives Evaluation / Belt Filter Press Replacement Study: Kleinfelder is finalizing the details and preparing a proposal for onsite pilot testing of two selected sludge dewatering technologies: a screw press and the Fournier rotary press. Both units will be tested under field conditions at SBRSA facilities to evaluate performance, reliability, and suitability for long-term implementation.

Analysis of Receiving Bin Screw Failures: On September 9, 2025, SBRSA staff held an internal meeting to evaluate the most appropriate path forward for the replacement of the sludge bin. The consensus was to pursue full replacement rather than repair. Two options are currently under consideration:

1. In-Kind Replacement – Replacing the bin with a similar design, incorporating targeted upgrades to address known operational issues.
2. New Technology – Replacing the existing bin with a modern alternative, such as a push-bottom design, which may offer operational or maintenance advantages.

To inform this decision, staff has requested additional technical and cost information from CDM Smith. A final recommendation will follow once this information has been reviewed.

Design

Fly Ash Slurry Pump Suction/Discharge Header Rehabilitation (Project 24-1): Staff met with Kleinfelder on September 11, 2025, to review the project and finalize the design. Staff anticipate advertising for bids during the fall of 2025.

River Road WWTP Main Substation Replacement or Rehabilitation Design: ELECSYS and Kleinfelder continue to make progress on the design. Staff anticipate a progress design submission early next month.

Process Drain Pump No. 3 Upgrade Project: Kleinfelder and ELECSYS continue to advance the design for the Process Drain Pump No. 3 upgrade. Staff met with Kleinfelder on September 11, 2025, to review progress and provide feedback. The project is currently at approximately 60% design completion, with work underway to finalize equipment layouts, confirm installation methods, and compile technical specifications.

Millstone Pump Station Influent Screening Improvements Project: Kleinfelder continues to advance the design for this project. Design efforts remain on track, with ongoing coordination between staff and the consultant team to ensure project requirements are fully addressed.

Operations Building HVAC Upgrade Design: On September 8, 2025, SBRSA received an updated 60% design development cost estimate from Precis Engineering for the HVAC Upgrades Project. The estimate outlines a total base project cost of \$4,024,434.

This project includes:

- HVAC improvements in the Operations Building admin offices and the Laboratory.
- Ventilation enhancements in the Belt Filter Press Room and Operations Building Basement.

Precis is preparing the final design and bid package, which is on track to be issued by September 30, 2025. Final scope decisions will be made prior to bid release.

Meter Station No.6 Rehabilitation: Van Cleef Engineering Associates (VCEA) is finalizing the design plans and technical specifications for the project. These documents are currently undergoing a second round of internal review. Upon completion, SBRSA will proceed with advertising the project for bid.

Nitrification Aerator Structural Repair: A design kickoff meeting was held for this project on September 24, 2025. Kleinfelder is proceeding with the design.

Construction

Contract 22-4 Hopewell WWTP Upgrade: The project is approximately 52% complete (by value); 78% complete (by contract time). Mechanical work continues on the primary and secondary clarifiers, flow distribution chambers, process piping, and influent screen. Electrical work is ongoing on the Ops building, PACL building, and influent screen. The Filter building, UV building, Sludge Pumping Station, and Post Aeration/Cascade tank are undergoing painting.

Contract 25-1: Thickener No. 2 Improvements Project: Staff is coordinating with VNL on project submittals, which are expected to be finalized by mid-October 2025. Delivery of materials and equipment is projected for March 2026. Concrete repair work is scheduled for October 2025, to ensure completion before temperatures drop below curing requirements.

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: Installation of one (1) new Yaskawa U1000 Variable Frequency Drive (VFD) at the Millstone Pump Station is complete. Work is ongoing for the installation of the remaining three (3) VFDs.

Project 25-5: South Brunswick Pump Station Variable Frequency Drives Replacement: The installation of additional contactors in the cabinet to isolate the standby drives from the electrical system is complete. All drives are online.

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 failed intrinsically safe switch on the collector drive's torque switch was replaced. This component is critical because it reduces the voltage of the signal to prevent potential explosion hazards, ensuring the continued safe operation of the unit.
 - Replaced several indicating lights in burner control cabinets for incinerator no. 2
 - Made repairs to pipe connections in the polymer batch system after a leak was reported.
 - Disconnected the hard-wired water bath in the back lab.
 - ABB's Eden is a non-contact safety sensor used for safe position monitoring of the UV System Banks. Eden consists of two parts: Adam and Eva. Adam senses the presence of Eva without mechanical contact and therefore without any wear. Staff replaced the ADAM sensor from UV bank 1C.
- Hopewell
 - Replaced and calibrated the ORP probes in the chlorination and dechlorination stages.
 - Replaced the effluent actuator for filter no. 2

- Rebuilt the actuator for the influent valve on filter no. 2
- Pennington
 - Replaced the sensor assembly of the influent sampler
- Princeton Farms Meter Station
 - Bled air from the flow meter and verified calibration was within an acceptable range.

Information Technology

General:

- **Preventative Maintenance**

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

During this reporting period:

- Three server backups (ws-jgermann-lt, ws-mgarzon-lt, ws-rsnyder-lt) 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
 - Further work pending power installation.
- **Servers (Computers and Storage)**
 - Storage Project, 2025
 - The new storage array was delivered and placed into the server racks. Dell is scheduling a site visit to complete the installation to our infrastructure. Staff will continue to work with Dell until installation is complete.
 - Share Drive
 - The configuration used by the shared drive has been optimized and is ready for the move to the new hardware.
- **Software**
 - Contracts and Bids web application
 - CivicPlus has provided all required paperwork. A purchase order is being generated.
 - Password Management
 - Software has been purchased for secure storage of password information for SBRSA Staff. Staff have been instructed to move away from browser-based password storage.
 - 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.
 - Lab PACI usage calculations from historical trend data.

- **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
 - No changes this period
 - Fleet Vehicle Tracking
 - Installation has been completed, and data is being collected.
 - Front Gate
 - New sensors have arrived for the front gate repairs, installation pending.
- **SCADA/Industrial**
 - RiverFlow Tracking
 - No changes this period

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 installation of new UPS devices.
 - Engineering requests AutoCAD base license DRAFTING/2

649.13 Finance

Mr. Goldfarb moved Resolution 2025-083 to Approve Payment of Bills and Claims in the amount of \$2,121,523.34 with two signatures instead of three. Mr. Patel seconded the motion, which was passed by a roll call vote of 4 to 0. Resolution 2025-083 follows.

Payment of Bills and Claims

Resolution to Approve Payment of Bills and Claims

Resolution No. 2025-083

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 \$2,121,523.34 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				X
Bharat Patel	X			

Treasurer's Report

Mr. Mazich reported a \$1,984,968 surplus for the fiscal year to date.

Mr. Mazich reported that \$23,333,472 in cash and investments.

Mr. Mazich reported \$1,748,5630 of sludge cake revenue year to date compared to the budget of \$1,312,500, which is a 33% increase.

The interest income is \$641,923 to date, compared to the budget of \$487,500, representing an approximate 32% increase.

The total year-to-date revenue is \$14,649,372, which is 4.5% above our budget or \$700,000 favorable.

Mr. Mazich reported that the operational and maintenance expenses were below budget at \$1,600,000, and debt service is \$500,000 under budget.

Mr. Smith reported that the Finance Committee is scheduled to meet on October 1, 2025, to discuss the 2026 Rate Schedule and the biosolids market analysis.

This resolution extends the current agreement with Gable Associates to continue serving as the energy agent for the authority in procuring natural gas, with the extended term ending on July 31, 2026.

Resolution 2025-084 was moved by Mr. Goldfarb, seconded by Mr. Patel, and passed by a roll call vote of 4 to 0. Resolution 2025-084 follows.

Resolution Authorizing Extension of Contract for Energy Agent Services with Gabel Associates, Inc. for Natural Gas Procurement

Resolution No: 2025-084

WHEREAS, the State of New Jersey has been engaged in a process to establish a competitive market place through deregulation and restructuring the electric and natural gas utility markets; and

WHEREAS, the establishment of a governmental energy aggregation program ("GEA Program") to purchase electric generation service and natural gas pursuant to the Government Energy Act of 2003, N.J.S.A. 48:3-93.1 et seq. ("Act") and the New Jersey Board of Public Utilities' implementing rules at N.J.A.C. 14:4-6.1 et seq. ("Rules") will increase competition for the provision of electric power and natural gas to residential and non-residential electricity and gas ratepayers, thereby increasing the likelihood of lower electric rates and natural gas rates for these users without causing an interruption in service; and

WHEREAS, Gabel Associates, Inc., with a principal place of business located at 417 Denison Street, Highland Park, New Jersey 08904, has submitted a proposal dated February 1, 2023 to serve as the Energy Agent for the Stony Brook Regional Sewerage Authority (SBRSA) to assist SBRSA in the procurement of natural gas; and

WHEREAS, Gabel Associates is registered with the State to perform these duties; and

WHEREAS, by Resolution No. 2023-021, adopted on February 27, 2023, the Authority authorized the execution of a contract with Gabel Associates, Inc. for a twenty-four (24) month term, with the option to extend the agreement for up to an additional two (2) years at the sole discretion of the Authority, provided that sufficient funds are available; and

WHEREAS, said agreement with Gabel Associates, Inc. became effective on March 1, 2023; and

WHEREAS, Gabel Associates, has completed and submitted an updated Business Entity Disclosure Certification which certifies that this vendor has not made any reportable contributions to a political or candidate committee served by the Stony Brook Regional Sewerage Authority in the previous one year, and any contract entered into with Gabel Associates will prohibit Gabel Associates from making any reportable contributions through the term of the contract; and

WHEREAS, the Local Public Contracts Law (N.J.S.A. 40A:11-5(1)(a)(ii)) exempts the award of contracts for extraordinary, unspecifiable services from the requirements of public advertisement and bidding; and

WHEREAS, it is not reasonably possible to draft bid specifications for services necessary to assist the Authority in connection with the purchase of natural gas, which Certification was reviewed by legal counsel, Maraziti Falcon, to ensure that it meets the provisions of the Local Public Contracts law and the rules promulgated by the Department of Community Affairs; and

WHEREAS, the Authority is satisfied that, for the reasons articulated in the Certification dated September 24, 2025, David C. Smith, Executive Director, attached hereto and made a part hereof, the proposed work is an extraordinary unspecifiable service and meets the requirements of the Local Public Contracts Law and N.J.A.C. 5:34-2.3.; and

WHEREAS, the award of this contract meets the statute and regulations governing the award of said contracts; and

WHEREAS, the Energy Agent shall not receive any monetary compensation directly from the Authority for the services to be provided. The Authority and the Energy Agent agree that the Natural Gas supply contract(s) (“NGSC”) between the Authority and the awarded supplier(s) shall provide that the awarded supplier pay the Energy Agent a monthly administrative fee for each account served at a rate of \$0.005 per Therm for all months of the NGSC.

NOW, THEREFORE, BE IT RESOLVED that the Authority hereby authorizes and approves an extension of the existing agreement with Gabel Associates, Inc., to continue serving as the Energy Agent for the Authority for the purpose of procuring natural gas, with the extended term to conclude on July 31, 2026.

<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			

Staff recommended for approval Resolution, 2025-086, Accepting Commodity Pricing for the Supply of Natural Gas with Constellation New Energy for the River Road Wastewater Treatment Plant.

This resolution is to accept commodity pricing for the supply of natural gas with Constellation New Energy for the River Road Wastewater Treatment Plant. The Executive Director is authorized and directed to execute a natural gas supply service agreement with Constellation New Energy to provide the supply of natural gas at the commodity price for DTH at a 50% hedge for the Authorities River Road facility.

Resolution 2025-086 was moved by Mr. Goldfarb, seconded by Mr. Patel.

A discussion took place about natural gas pricing and monitoring.

Resolution 2025-086 was passed by a roll call vote of 4 to 0. Resolution 2025-086 follows.

**Resolution Accepting Commodity Pricing for the Supply of Natural Gas with
Constellation New Energy for the River Road Wastewater Treatment Plant**

Resolution. No. 2025-086

WHEREAS, the cost of Natural Gas is a large component of the Stony Brook Regional Sewerage Authority's ("Authority") operating budget; and

WHEREAS, the Authority awarded a three-year contract, through Resolution 2023-050 dated April 24, 2023, to Constellation New Energy, the lowest bidder for natural gas supply service, for the Authority's upcharge portion of the natural gas account commencing August 2023; and

WHEREAS, the Authority procured a 50%-hedged NYMEX commodity portion of the natural gas contract with Constellation New Energy at a burner-tip price \$3.4359/Dth, through Resolution 2024-069 that expired on July 31, 2024; and

WHEREAS, the Authority procured a commodity portion of the natural gas contract with Constellation New Energy at a burner-tip price \$3.2734/Dth, through Resolution 2024-077 that expired on July 31, 2025; and

WHEREAS, the Authority desires to procure the commodity portion of the natural gas supply service (with Constellation New Energy) for the Authority's natural gas account at the following service/terms commencing October 1, 2025 through July 31, 2026 as follows:

<u>Pricing Product</u>	<u>Upcharge Price</u>	<u>Commodity Price</u>	<u>Total</u>	<u>Term</u>
Hedged Commodity	\$1.19660/Dth	\$4.0104/Dth @50% Hedge	\$5.207/Dth	10 mths

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 Natural Gas Supply Service Agreement with Constellation New Energy to provide the supply of natural gas for the commodity price of \$4.0104/Dth @ 50% hedge for the Authority's River Road Wastewater Treatment Plant, commencing October 1, 2026, through July 31, 2026.
2. A copy of the resolution shall be available for public inspection at the office of the Authority.
3. Notice of Contract Award shall be published as required by law within ten (10) days of its execution.

Certification of Funds

I, James Mazich, Chief Financial Officer, do hereby certify that sufficient funds are available in the 2025 budget from line items 3000-4502. Amounts for future years are contingent upon sufficient funds being appropriated.

/s/ James Mazich, Chief Financial Officer
Stony Brook Regional Sewerage Authority
Dated: September 30, 2025

<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			

649.14 Personnel Report

Mr. Smith stated that a new Operator V started on September 2, 2025, and an AP/Finance Clerk began on September 15, 2025.

There were two (2) promotions this period. Mr. Lavenberg and Mr. Seidle were promoted from Maintenance Mechanic III to Maintenance Mechanic II.

One (1) Operator V resigned on August 28, 2025.

649.15 Correspondence

For information only.

649.16 Old Business

Nothing to report.

649.17 New Business

649.18 Open to the Public

Dr. Downey opened the public portion of the meeting at 7:25 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 7:25 p.m. and continued the meeting as scheduled.

641.19 Executive Session

Dr. Downey asked for a motion to move Resolution 2025-087, Authorizing Closed Session Pursuant to the Open Public Meetings Law.

Resolution 2025-087 was moved by Mr. Goldfarb, seconded by Mr. Patel, and passed by roll call vote of 4 to 0. Resolution 2025-087 follows.

**Resolution Authorizing Closed Session
Pursuant to the Open Public Meetings Law**

Resolution No. 2025-087

BE IT RESOLVED by the Stony Brook Regional Sewerage Authority (hereinafter the “Authority”) in the County of Mercer and the State of New Jersey on this 26th day of August, 2025, as follows:

1. The Authority shall adjourn to executive session in accordance with N.J.S.A. 10:4-12(b)(7), being the Open Public Meetings Act, in order to discuss matters falling within the attorney-client privilege, regarding
 - PFAS, the 3M Company and DuPont Nemours and Company litigation
 - Affirmative Defenses
2. The minutes of the executive session relating to attorney client privilege will be released to the public as soon as the matters under discussion are fully resolved and are no longer of a confidential or sensitive nature and when they will not be detrimental to the public interest.
3. This Resolution shall take effect as provided 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			

629.20 Report of Executive Session

A discussion occurred regarding PFAS, 3M Company and DuPont Nemours and Company litigation, and affirmative defenses.

Return to Public Session

The Board returned to Public Session at 7:33 p.m.

Resolution 2025-088, Authorizing the Filing of Litigation Intervening in the Matter of NJDEP, Et Al., V. E.I. Dupont De Nemours and Company, Et Al., Case No.: 1:19-Cv-14766-RMB-JBC

(D.N.J.) Regarding Proposed Settlements Between NJDEP and the 3M Company and E.I. Dupont De Nemours and Company Regarding PFAS.

Resolution 2025-088 was moved by Mr. Patel, seconded by Mr. Antebi, and passed by a roll call vote of 4 to 0. Resolution 2025-088 follows.

Resolution Authorizing the Filing of Litigation Intervening in the Matter of NJDEP, Et AL, V. E.I. Dupont De Nemours and Company, Et AL, Case No.: 1:19-Cv-14766-RMB-JBC (D.N.J.) Regarding Proposed Settlements Between NJDEP and the 3M Company and E.I. Dupont De Nemours and Company Regarding PFAS

Resolution No. 2025-088

WHEREAS, the New Jersey Department of Environmental Protection (NJDEP) has reached proposed settlements with the 3M Company (3M) and E.I DuPont De Nemours and Company, which would release 3M and DuPont from liability arising from its sale, marketing, distribution, use, or manufacture of per- and polyfluoroalkyl substances (PFAS) in New Jersey; and

WHEREAS, the Association of Environmental Authorities (AEA) has advised that it is considering filing a motion to intervene in the matter of *NJDEP, et al., v. E.I. du Pont de Nemours and Company, et al.*, Case No. 1:19-CV-14766-RMB-JBC (D.N.J.), (Federal Court Litigation) to address concerns regarding the scope of the proposed settlements, including the release of claims, the covenant not to sue, and the potential impact on the rights and remedies of New Jersey authorities, such as sewerage and municipal utility authorities, to address PFAS-related damages; and

WHEREAS, the Stony Brook Regional Sewerage Authority (Authority) has determined that the aforementioned proposed settlements and their release of claims adversely impact its rights and remedies to address PFAS related damages and that intervention as a party, along with the AEA, is warranted to protect the Authority's legal rights and preserve its ability to pursue remedies in the future related to PFAS.

NOW, THEREFORE, BE IT RESOLVED by the Stony Brook Regional Sewerage Authority, that if the Association of Environmental Authorities (AEA) files a Motion to Intervene or other pleading in opposition in the matter of *NJDEP, et al., v. E.I. du Pont de Nemours and Company, et al.*, Case No. 1:19-CV-14766-RMB-JBC (D.N.J.), contesting the inclusion of sewerage authorities within the scope of the release and covenant not to sue provisions of the proposed settlement documents, then Authority Counsel, Maraziti Falcon, LLP, is hereby authorized and directed to file such documents as are necessary and appropriate to join in the AEA's motion as a party, to protect the Authority's legal rights and preserve its ability to pursue remedies in the future related to PFAS.

BE IT FURTHER RESOLVED, that the Executive Director, staff, and consultants are hereby authorized and directed to take all actions reasonably necessary to intervene in opposition to the matter referenced herein, including the development and execution of any required or appropriate supporting certifications or other documentation.

BE IT FURTHER RESOLVED, that this Resolution shall take effect immediately.

CERTIFICATION

I hereby certify that the foregoing Resolution was adopted by the Stony Brook Regional Sewerage Authority at its regular meeting held on September 30, 2025.

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

641.21 And such other issues as may come before the Board

There was nothing to report.

649.22 Adjournment

As no further business was to come before the Board, the meeting was adjourned at 7:52 p.m. on a motion by Mr. Goldfarb, seconded by Mr. Antebi, and passed by unanimous vote.

Respectfully Submitted,

David Smith
Secretary

Recorded and written by
Angela Christiano
October 15, 2025