South Central Connecticut Regional Water Authority

90 Sargent Drive, New Haven, Connecticut

or

Via Remote Access**

AGENDA

Regular Meeting of Thursday, May 25, 2023 at 12:30 p.m.

A. Safety Moment

- B. Public Comment: The time limit granted to each speaker shall be three (3) minutes. Residents and customers may address the Board.
- C. Meet as Audit-Risk Committee: C. LaMarr
 - 1. Approve Minutes February 23, 2023 meeting
 - 2. Risk Management Update Memorandum
 - 3. 2024 Committee Work Plan
- D. Meet as Environmental, Health & Safety Committee: K. Curseaden
 - 1. Approve Minutes March 23, 2023 meeting
 - 2. Water Supply Plan Update Memorandum
 - 3. 2023 Legislative Session Update Memorandum
 - 4. Environmental Compliance Update Memorandum
- E. Meet as Compensation Committee: D. Borowy
 - 1. Approve Minutes January 26, 2023 meeting
 - 2. Employee Engagement Update: E. Calo
 - 3. 2024 Committee Work Plan
- F. Act on matters arising from Committee meetings
- G. Consent Agenda
 - 1. Approve Minutes April 27, 2023 meeting
 - 2. Capital Budget Authorization June 2023
 - 3. Capital Budget Transfer Notifications (no action required) May 2023
 - 4. Consider and act on exemptions from public bid for FY 2024
 - 5. Monthly Financial Report April 2023
 - 6. Accounts Receivable Update April 2023
- H. Finance: R. Kowalski
 - 1. Type B Capital Budget Amendment
- I. Reports on RPB Committee meetings
- J. Updates: L. Bingaman
 - 1. Monthly Business Highlights
 - 2. CIS Update
- K. *Presentation of Target Two Plumbing Asset Purchase Application (Application): D. Donovan & R. Kowalski Upon 2/3 vote, convene in executive session pursuant to C.G.S. Section 1-200(6)(E) to discuss matters covered by Section 1-210 subsection b #'s 5 B, pertaining to commercial and financial information.
 - 1. Review and discuss Application
 - 2. Affidavit regarding confidential information within said Application
 - 3. Motion for Protective Order for confidential information within said Application
 - 4. Protective Order concerning confidential information within said Application for submission to the Representative Policy Board (RPB)
 - 5. Possible recommendation to submit to the RPB

[RECESS AUTHORITY MEETING TO ATTEND RPB MEETING]

K. Approve FY 2024 Budget and authorize filing with Trustee

*RPB Member (J. Jaser) will be excused at item K

** Members of the public may attend the meeting in person or via conference call. For information on attending the meeting and to view meeting documents, please visit <u>https://tinyurl.com/ysu5fy3e</u>. For questions, contact the board office at jslubowski@rwater.com or by calling 203-401-2515.

SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY

(Including Audit-Risk, Compensation, and Environmental, Health & Safety Committee meetings)

MAY 25, 2023 at 12:30 p.m.

Remote Meeting Instructions:

Call in (audio only)

<u>+1 469-965-2517,,835988795</u># United States, Dallas

Phone Conference ID: 835 988 795#

For questions, contact the board office at 203-401-2515 or by email at jslubowski@rwater.com

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South Central Connecticut Regional Water Authority Environmental, Health & Safety Committee

Minutes of the March 23, 2023 Regular Meeting

The regular meeting of the Environmental, Health & Safety Committee of the South Central Connecticut Regional Water Authority took place on Thursday, March 23, 2023, at 90 Sargent Drive, New Haven, Connecticut and via remote access. Chairman Curseaden presided.

Present: Committee – Messrs. Curseaden and Borowy, and Mss. LaMarr Management – Mss. Kowalski and Calo, and Messrs. Bingaman, Donovan, Hill, Lakshminarayanan, Singh, Tracy, and Vitko RPB – Mr. Slocum Staff – Mrs. Slubowski

The Chair called the meeting to order at 12:44 p.m.

On motion made by Mr. Borowy, seconded by Ms. LaMarr, and unanimously carried, the Committee approved the minutes of its meeting held on November 17, 2022.

Borowy	Aye
Curseaden	Aye
LaMarr	Aye
Sack	Absent

Ms. Calo, the RWA's Sr. Director of Employee Relations & HR Operations, provided a Health & Safety Initiatives update, which included:

- FY2023 Goals & Objectives
- Zero Injury Goal & Statistics
- Near Miss Reporting
- Safety Ambassador Program
- Next steps

Mr. Tracy, the RWA's Invasive Species Management Technician, and Mr. Vitko, the RWA's Environmental Planning Manager, provided a presentation on the RWA's slash wall forest regeneration study. The presentation explained that a slash wall is a wall comprised of the materials such as slashings from trees that are left from a timber harvest. They are used to protect areas from deer predation and invasive species. In 2022, the RWA conducted two timber harvests in Madison and Seymour, the two locations being studied. These locations are monitored by the Connecticut Agricultural Experiment Station. In collaboration with the University of Connecticut, drone research has been collected on the two locations using Light Detection and Ranging technology in an effort to provide data about future slash wall management and assess forest regeneration impacts over time.

At 1:21 p.m., Messrs. Tracy and Vitko withdrew from the meeting.

The committee reviewed its FY 2024 work plan.

At 1:22 p.m., on motion made by Mr. Borowy, seconded by Ms. LaMarr, and unanimously carried, the meeting adjourned.

Borowy	Aye
Curseaden	Aye

UNAPPROVED

South Central Connecticut Regional Water Authority Environmental, Health & Safety Committee March 23, 2023

> LaMarr Aye Sack Absent

> > Kevin Curseaden, Chairman

South Central Connecticut Regional Water Authority 90 Sargent Drive, New Haven, Connecticut 06511-5966 http://www.rwater.com

To:	Authority Environmental, Health & Safety Committee David J. Borowy Kevin J. Curseaden Catherine E. LaMarr Suzanne C. Sack
Cc:	Larry Bingaman, President & CEO Sunny Lakshminarayanan, VP, EES
From:	Steve Vitko, Environmental Planning Manager Tiffany Lufkin, Senior Planning Engineer
Date:	25 May 2023
Subject:	Water Supply Plan Update

The RWA submitted its Fifth Edition of the Water Supply Plan (WSP) in February 2023, prepared in accordance with the requirements of the Regulations of Connecticut State Agencies (RCSA) 25-32d. The original Plan was approved by the Connecticut Department of Public Health (DPH) on February 21, 1992. The most recent update was submitted in 2009 and approved by the DPH on April 23, 2014. Long-range planning has been a standard practice for the RWA and its predecessor, The New Haven Water Company since their beginning over a century ago. Earlier plans looked forward and anticipated the needs of today. Current planning ensures an adequate supply of drinking water for future generations. The fifth edition of the WSP is a report on the status of the RWA and the system changes expected to be necessary to meet management's commitment to present and future customers.

Considerable internal efforts are utilized to capture and update each piece of the allencompassing Plan. As part of the WSP update, the plan underwent several substantial changes listed below:

- In 2019 the RWA retained Hazen & Sawyer to produce an updated demand forecast through 2070 using a residential end use/econometric model incorporating items such as water efficient fixtures and single and multi-family housing. These projections form the basis of the supply and demand analysis in this WSP update.
- In 2019 the RWA retained Hydrologics and Tighe & Bond to conduct a safe yield analysis on RWA's four reservoir systems to determine safe yields with current release requirements and with future release requirements from DEEP Streamflow Regulations, which are required to begin on September 6, 2026. The four RWA reservoir systems are comprised of North Branford (Lake Hammonasset, Lake Menunketuc, and Lake Gaillard), Saltonstall (Lake Saltonstall), West River (Lake Bethany, Lake Chamberlin, Lake Glen, Lake Dawson, and Lake Watrous), and Mill River (Lake Whitney). The margin of safety analysis in this WSP update is based on these safe yield calculations.
- In 2019 the RWA retained Tighe & Bond to conduct a replacement of the system-wide hydraulic model, incorporating future demand scenarios and updated pumping and

control practices to demonstrate and predict the hydraulic capacity and concerns of the water distribution system.

- In 2021 the RWA retained Hazen & Sawyer to conduct a safe yield analysis on RWA's Prospect Reservoir System, which is inactive. RWA is evaluating whether to abandon the source or preserve the system as a potential future water supply source.
- Environmental Planning created detailed GIS land cover maps for all its source watersheds and aquifers using a 2016 dataset provided by the National Oceanic and Atmospheric Administration Coastal Change Analysis Program (C-CAP). This data is based on high resolution aerial imagery, with a pixel size of one meter. This is much higher than previously available data based on 30-meter Landsat collected imagery. The methodologies and landcover categories used to produce this dataset are nationally standardized and will provide opportunity to quantify watershed changes with future updates.
- On September 27, 2018, the DPH Drinking Water Section issued Circular Letter #2018-20, requiring public water systems who produce a WSP to update the inventory of land use activities required under RCSA section 25-32d-3(i)(3) to identify risks associated with potential generators of per- and polyfluoroalkyl substances (PFAS). To reflect this requirement, Environmental Planning created inventory tables of land uses with the potential to affect sources of supply. The tables are broken down into three PFAS risk categories to identify the land uses that have the potential to generate PFAS compounds.
- The fifth edition includes an outline of the new DEEP Stream Flow Standards and Regulations adopted in 2011 (Sections 26-141b-1 to 26-141b-8 RCSA). The Plan describes the new regulations, which will initiate on September 6, 2026, and includes capital improvements being planned and completed to make and measure the newly required releases.
- To assure a continuous supply of water to its customers during periods of extreme drought, the RWA added an updated Drought Response Plan to the updated WSP. The revised Drought Plan calls for earlier mandatory restrictions on outdoor water use, including a two-day maximum lawn irrigation program to be implemented in the Advisory drought stage.
- A revision and update of the RWA Conservation Plan was prepared in June 2021, in conjunction with and to support the initiatives in the Drought Response Plan and the updated WSP.
- Environmental Planning creating an updated list of all RWA diversion permits and registrations, which is included in Appendix D.
- Engineering and Operations updated all information pertaining to treatment, pumping and storage capacities, including major equipment.
- The fifth edition was reduced in size from previous editions in order to more closely follow the regulatory requirements of the document.
- Confidential and Redacted versions of the WSP were created in order to meet FOIA requirements, which had been updated since the last edition was written in 2009.

Regional Water Authority

South Central Connecticut Regional Water Authority 90 Sargent Drive, New Haven, Connecticut 06511-5966 <u>http://www.rwater.com</u>

To:	Authority Environmental, Health & Safety Committee David J. Borowy Kevin J. Curseaden Catherine E. LaMarr Suzanne C. Sack
Cc:	Larry Bingaman, President & CEO Sunny Lakshminarayanan, VP, EES
From:	Kevin Watsey, Director Public Affairs, Communication
Date:	25 May 2023
Subject:	2023 Legislative Issues Update

The 2023 Legislative Issues Update

Summary:

The Connecticut General Assembly convened for its 2023 legislative session on January 4 and will adjourn on June 7, 2023. The RWA's legislative lobbying efforts have focused on evaluating all proposed bills introduced in the General Assembly's 27 committees. As of May 11, 2023 3,190 bills have been introduced.

The key topics we are monitoring include funding and bonding legislation for water company infrastructure projects, PFAS remediation and funding, testing for the presence of lead in schools, solar siting petitions, creation of a stewardship program for tires and smoke detectors, municipal drought enforcement support, 60 Sargent Drive land conveyance and issues related to a Political Subdivision, including its regulating body.

The RWA delivered verbal testimony before the respective committees on the RWA priority bills listed below.

SB 966: AAC the Procurement of Standard Service Electricity and the Regulation of Public Utilities (Do not support)

 While this bill is intended for the utilities regulated by Public Utilities Regulatory Authority (PURA), Section 25 of the bill would allocate \$5 million to PURA to expand its regulatory operations over electric distribution companies, gas companies, and water companies. Because it's unclear whether the intention is to subject municipal and regional water utilities to PURA regulation, the RWA submitted testimony for the record, informing the committee that the RWA's Special Act provides for a Representative Policy Board, which serves as our economic regulator.

• The bill did not advance out of the Energy Committee.

SB 1246: AA Authorizing the Continuation of CSCU 2020, Adjusting Certain Powers of the Board of Regents for Higher Education, Adjusting Certain State Contracting Related Thresholds and Repealing and Reducing Certain Bond Authorizations (Support)

- This bill provides funding to relocate the Gateway Automotive Technologies program to the Long Wharf area.
- The bill did not advance out of the Finance Committee.

HB 6483: AAC Open Space and Watershed Land Acquisition (OSWA) Grant Program (Support)

- This bill would increase the bond authorization for the OSWA Grant Program to \$10 million, and make it an annual authorization. This bill was voted out of the Environment Committee and referred to the Finance Committee for further consideration.
- The Finance Committee did not act on the bill before its referral deadline, killing the bill.

HB 6486: AAC Extended Producer Responsibility (EPR) for Tires (Do not support, as written)

- The bill as drafted does not address the goal of establishing feasible tire recycling options. RWA's testimony addresses our concerns with this bill.
- The intent of this bill would create cost-effective disposal and recycling solutions for unwanted tires in Connecticut.
- The bill is currently before the full House awaiting further action.

HB 6609: AAC Extended Producer Responsibility for Smoke Detectors (Support)

- This bill would create a committee to determine the need for a smoke detector extended producer responsibility program, how to keep potential hazardous wastes out of the solid waste stream and facilitate consumer disposal of these expired devices.
- The bill was advanced by the Environment Committee and is awaiting further action by the House.

HB 6748: An Act Concerning Certificates of Approval for Motor Vehicle Dealerships and Repair Shops, Trespass on Watershed Land, the "Move Over" Law and Minor Revisions to the Motor Vehicle Statues (Support)

Section 2 of this bill increases the trespass infraction to \$136 from \$92. The language contained in this bill is a result of collaboration with RWA's Police Captain on addressing illegal ATV riding on RWA's property. Our testimony also requested that the term "watershed lands" be narrowed to reference public water supply watershed

lands owned, controlled or managed by a public water system as defined by Section 25-32a of the general statutes.

• The bill was advanced by the Transportation Committee with our amended language request and is awaiting further action by the House.

HB 6853: AAC Funding for Microgrids and Resilience Projects. (Support, with amendments)

- This bill would expand eligibility for the microgrid and resilience grant and loan pilot program to "government entities." Because it is unclear if RWA would be covered under "government entity," we requested that "Political Subdivision" be added to the list of eligible entities.
- The bill was advanced by the Energy Committee as drafted and is awaiting further action by the House.

HB 6939: AAC Conveying Parcels of State Land to the City of New Haven (Support)

 This bill conveys to the city of New Haven two parcels of land (60 Sargent Drive & 0 Sargent Drive). A public hearing on the bill was held on May 8, which RWA's President & CEO testified and stated RWA's support. HB 6939 is awaiting further action by the Government, Administrative and Elections Committee.

Below are bills where the Connecticut Water Works Association and other groups have taken the lead with input from the RWA.

HB-6733: AAC The Department of Public health's Recommendations Regarding Various Revisions to the Public Health (Oppose)

The bill is currently on the House Floor awaiting further action. Section 20 was identified as a section of concern by CWWA. There were two provisions within Section 20 that attracted the attention of the industry: 1) an expansion of DPH jurisdiction to cover future and emergency use sources; and 2) authority to allow DPH to implement regulations before such regulations are approved by the General Assembly. On the first issue, the DPH will extend the effective date out by one year which addresses many of the concerns, and, on the second issue, DPH has agreed to remove this provision.

HB-1147: AAC The Environmental Justice Program of the Dept. of Energy and Environmental Protection (Oppose)

 The bill is currently on the Senate Floor awaiting further action. Diversion language and permit renewals were identified as sections of concern by CWWA. The House chair has directed DEEP to develop substitute language that removes the language regarding the water diversions, and, regarding renewals, we understand that this will be removed as well. We have not yet seen substitute language to confirm this but will share as soon as we receive.

HB-6809: AAC Financial Incentives for Certain Streamside Buffers

• This bill incentivizes the retention of vegetation along the state's rivers and streams for water quality and pollution control purposes.

• The bill was passed by the House with an amendment (LCO. 8055) on May 17^{th.} The bill is now in the Senate awaiting further action.

Lead- Drinking Water Bills

- HB-6761: AAC A Review of Drinking Water Supply Locations and Equipment in Public Schools
 - Requires each local and regional board of education to test the drinking water supply locations and equipment in each school building or school facility under the jurisdiction of the board, and provide the results to the Department of Education, Department of Public Health and Department of Administrative Services.
 - The bill was referred to the Finance Committee on March 24th and not acted on, killing the bill. CWWA submitted testimony in support.
- SB-961: AAC Carbon-Free School Requirements For New School Construction and Establishing Other School Construction And Public Health Requirements For School Districts
 - Requires the Commissioner of Public Health to adopt regulations to require all public school districts to periodically test water samples from all taps used for drinking or cooking in each school facility for the presence of lead; and remediate sources of lead contamination when lead is detected
 - The bill is currently on the Senate Floor awaiting further action. Two amendments have been filed on the bill (LCO. 8088 and LCO. 7848). CWWA submitted testimony suggesting that test results be shared with water utilities.
- HB-6727: AAC The Department of Public Health's Recommendations for Implementing the Recommendations of the Lead Poisoning Prevention Working Group
 - This bill establishes a program to implement working recommendation for lead poisoning
 - The bill is currently on the House Floor awaiting further action.

QUESTION for Discussion:

1. What future legislative efforts should be pursued for furthering RWA's interests?

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То:	Authority Environmental, Health & Safety Committee David J. Borowy Kevin J. Curseaden Catherine E. LaMarr Suzanne C. Sack
Cc:	Larry Bingaman, President & CEO Sunny Lakshminarayanan, VP, Engineering and Environmental Services Elizabeth Calo, Sr. Dir. Employee Relations & HR Operations
From:	Amy Velasquez, Environmental Compliance & Sustainability Lead
Date:	May 25, 2023
Subject:	Environmental Compliance Update

The Regional Water Authority (RWA) has a strong history of complying with environmental laws and regulations. This comes from departments across the company supporting efforts of the Environmental Compliance and Sustainability Lead (ECSL). The majority of compliance work is focused on adherence to permit requirements for wastewater discharges from the Water Treatment Plants (WTP), followed by regulations regarding disposal of hazardous chemicals and hazardous building materials such as asbestos, lead paint, and PCBs. In addition, RWA staff are trained annually to perform proper spill response procedures in case an unintended incident occurs

Activities since last update in 2022:

Comprehensive General Permit for West River WTP

Since 1998, the groundwater discharge from the residuals drying bed has routinely exceeded the manganese (Mn) discharge limit of 3.0 mg/L. This limit was originally specified in 1996 in the CT Department of Energy and Environmental Protection (DEEP) Water Treatment Wastewater General Permit (WTW GP) and was replaced in March 2018 with the Comprehensive General Permit for the Discharge to Surface Water and Groundwater (Comprehensive GP). DEEP was aware of these discharge limit exceedances but did not consider it a high priority and did not have a pathway to bring the discharge into compliance under the WTW GP.

Under the Comprehensive GP, RWA installed groundwater monitoring wells anticipating a different sampling point location would result in more accurate and lower manganese levels (rather than sampling the residuals entering the drying bed). Although the manganese levels were much lower than those seen in the residuals, the concentrations still exceeded the permit's discharge limit. In 2019, RWA provided DEEP a compliance plan to resolve these historic manganese issues. As part of that plan, RWA had a Residuals Alternatives Analysis completed to look at options for modifying or moving the drying bed. Based on the results of the analysis, it was decided lining the drying bed was the best option. Underdrains and a pump station will be installed, which will pump filtrate to the backwash lagoons. This will eliminate the groundwater discharge and will not impact the quality of water discharged from the lagoons. The project is estimated to cost \$2M and design will commence in FY25.

General Permit for Wastewater Discharges from Significant Industrial Users

In June 2021, RWA applied to cover the discharge of filtrate from the drying beds to the sewer along with other smaller sewer discharges from the site under the General Permit for Wastewater Discharges from Significant Industrial Users (SIU GP). The sewer discharges were previously covered under the Miscellaneous General Permit. The original SIU GP application requested an average daily discharge limit of 77,000 gallons per day and a maximum daily discharge of 140,000 gallons per day. In July 2022, RWA requested the average daily discharge limit be increased to 110,000 gallons per day and the peak discharge kept at 140,000 gallons per day. This increase was needed to handle the wastewater generated by more frequent clarifier cleanings. RWA has had dialogue with DEEP regarding this application to answer necessary questions. As part of the conversation, DEEP requested a permanent in-line pH monitor be installed. The I&C department is currently working on the installation. The RWA anticipates DEEP will approve the application once this pH monitor is installed.

<u>Comprehensive General Permit for Gaillard WTP</u> Standing water has become an issue with the drying beds at the Gaillard WTP due to the recent heavy rain events and frequent cleaning of the clarifier. RWA requested a modification to the site's Comprehensive General Permit to allow the discharge of this water into Burrs Brook at a rate of 30,000 gallon per day. The discharge is being tested daily to ensure water containing chlorine or a high concentration of solids is not discharged to the brook. This discharge is now included under the site's registered emergency overflows.

Spill Response

In 2022, an abnormal number of chemical spills occurred at RWA facilities. Specifically, five chemical spills occurred at the wellfields in June 2022. Two of the spills were caused by equipment issues (cracked fitting and leaking pump) but three of the spills occurred due to staff overfilling the chemical tanks during deliveries. During the first spill, the volume reported to EHS&R was below the DEEP reporting limits. Upon arriving on-site, it was determined approximately 20 gallons of fluoride had leaked into containment, which is above the reporting limit. For the second spill, the employee who originally reported the spill indicated only one to two gallons were spilled into containment however, after further research, the Treatment Team Lead determined 15-20 gallons had been released, which is a reportable quantity. DEEP issued Notice of Violations (NOV) for the first two spills due to delayed reporting.

Senior Treatment staff were assigned to assist newer staff with chemical deliveries at the wellfields as an initial response to the three spills due to overfilling the chemical tanks. In response to the NOV. Treatment staff attended 24-Hour Hazardous Waste Operations training, which covers safety and logistics associated with spill response and a Spill Prevention and Control Plan (SPCP) was prepared for the wellfield sites. The SPCP includes:

- Best management practices for spills prevention
- proper reporting of releases
- Spills prevention training program

To prevent delayed reporting in the future, the ECSL will request confirmation of the volume released for any future spills based on SCADA trends, when available. If Treatment staff cannot provide confirmation, the ECSL will assume volumes estimated at 10-15 gallons may actually exceed the reporting threshold and report these releases to DEEP within the 1 hour required timeframe. DEEP closed the NOVs on February 28, 2023 after reviewing the documentation provided by the RWA.

To further improve spill response, EHS&R updated the HAZWOPER Emergency Response Plan for Hazardous Substance Releases. As part of this update, EHS&R instituted a requirement that all Treatment staff receive 24-Hour HAZWOPER training and all new RWA Police receive 8-Hour First Responder Awareness level training. The RWA Police Officers are often the first to respond to hazardous materials dumped on RWA property.

Hazardous Building Materials

In 2015, RWA initiated an environmental screening program for building renovation and demolition projects, including asbestos, lead paint, and PCBs. In cooperation with Engineering and Real Estate, inspections were completed prior to the demolition of the following buildings:

- Chamberlain Cabin (asbestos and PCBs)
- Two North Street houses and associated buildings former rental (asbestos and PCBs)
- Bethany Barn former rental (asbestos and PCBs)
- Barn at Lake Glen (no hazardous building materials)
- Madison Hunting Cabin (no hazardous building materials)
- Regulator Building and Pump House at Dawson Dam (asbestos and PCBs)
- Dogburn Road Oxshed (no hazardous building materials)
- Barn at Prospect Dam (asbestos)
- Former Saw Mill (asbestos and PCBs)

Each of these buildings were demolished because they were in poor condition and represented a hazard to the environment, employees, and/or the public. Demolishing these buildings prevented the hazardous building materials from contaminating RWA property, watershed land, and associated waterbodies. Other projects that have involved hazardous building material inspections are roof replacements, window replacements, chemical upgrade projects at water treatment plants and wellfields, and paint removal at many facilities.

In summary, the ECSL will continue to work with DEEP to obtain approval for Gaillard WTP's SIU GP, to ensure the drying bed project is completed in the timeline provided to DEEP and work with Treatment and RWA Police to ensure new employees receive proper spill response training.