

AGENDA

Lower Neuse Basin Association, Inc.[®] Neuse River Compliance Association, Inc.[®]

**February 1, 2023
Wilson, N. C.
10:00 a.m.**

- **Welcome, Roll Call, and Introduction of Guests**
 - * Member Introductions**
- **Approval of Minutes for November 2, 2023 (AI) – (pages 2-4)**
- **LNBA/NRCA Officer Elections for Remaining Terms (May, 2025) (AI) – (page 5)**
- **LNBA/NRCA Financials –**
 - * November, December, 2023, and January, 2024 Treasurer's Reports (AI) – (page 6 & 7)**
 - * Revised Website Update and Maintenance Agreement (AI) -**
 - * FY 2024-25 Proposed Budget and Membership Dues (AI) – (pages 8, 9 10)**
- **Neuse Basin Modeling Update – (page 11)**
- **Low Dissolved Oxygen Waters Update – (pages 12 – 13)**
- **LNBA Updates -**
 - * Sampling Report – November and December, 2023 –)page 14)**
 - * Update on LNBA MOA with DWR -**
- **NRCA Updates -**
 - * Operator Certification Renewal Fees -**
 - * NRCA Annual Report Prep -**
- **LNBA/NRCA Training Workshop for 2024 -**
- **LNBA/NRCA Delegates for 2024 -**
- **Member Reports -**
- **Next Meeting and Adjourn – May 2, 2024, Johnston County Utility Dept., Smithfield, N. C.**

Action Items (AI)

Lower Neuse Basin Association®/Neuse River Compliance Association®
November 2, 2023 Meeting Minutes
City of Kinston, Kinston, N. C.

Attending:

John Kiviniemi (Chair)	Raleigh Water	Donald Smith (Treas)	Town of Cary
Kenny Stevens (Sec)	City of Kinston (virtual)	Chuck Smithwick (V-Chair)	Contentnea MSD
Dan McLawhorn (v)	McLawhorn Legal	Ed Buchan	City of Raleigh
Lori Avent (v)	Town of Apex	Laura Pruitt	City of Wilson
Reggie Hicks	City of Durham	Joshua Baird	Town of Clayton
James Blalock	Town of Clayton	Adam Stephenson	Town of Fuquay-Varina
Lisa Joseph	Raleigh Water	Anthony Futrell	Carolina Water Service
Tony Konsul	Carolina Water Service	Jeff Mahagan	Town of Hillsborough
Jimmy Pridgen	City of Wilson	Robert Sherman	City of Goldsboro
Scott Smart	City of Durham	T. J. Lynch	Hazen & Sawyer
Drake Robart	Town of Snow Hill	Tony Hawkins	City of New Bern
David Suggs	CovationBio	Dan Wall	Johnston County
Joe Pearce (v)	Aqua, N.C.	Mark Vander Borgh	NC DWR
Steve Tedder	Black & Vetch	Ron Boquist	Waypoint Anal.
Haywood Phthisic	LNBA/NRCA		

The Chair, John Kiviniemi, called the meeting to order and welcomed everyone. The roll was called and there were 12 of 19 members present representing the LNBA and 16 of 24 members present representing the NRCA. There was a quorum present for both associations and guests were introduced and recognized.

Board Minutes – The Board Minutes for the September 7, 2023 meeting were presented. Being no revisions, Dan Wall made the motion to approve, seconded by Bert Sherman, and approved by the Boards.

2024 Meeting Dates – The proposed meeting dates for 2024 are: February 1st, May 2nd, September 5th, and November 7th. Jimmy Pridgen made the motion to approve the meeting dates as presented, seconded by Dan Wall, and approved by the Boards, respectively.

Financials – Treasurer's Report – Donald Smith presented the Treasurer's Report for the period of September, and October, 2023 to the Board. As of October 31st, the LNBA account balance is \$327,613.82 and NRCA account balance is \$400,033.41. Kenny Stevens made the motion to approve the report as presented, seconded by Jimmy Pridgen, and approved by the Boards, respectively.

Website Rebuild Update – Haywood noted the beta website is operational and available for viewing. Please take a few moments to review the beta website and provide comments. The draft site will be circulated to a select members for comments before the end of the year.

FY 2024-25 Budget Prep – Haywood reported the proposed budget for the next fiscal year will be presented at the February 1st Board meeting.

Neuse Watershed Modeling Update – John reported WSP, Inc. (Dr. Marty Lebo and his team) are engaged in the modeling work. Dr. Lebo's report is noted in the agenda package. The next update is December 5th and the link for that meeting will be sent to the membership. John noted that HB 600 did

not pass in the form it was intended (i.e. removing the “15,000 customer exemption”) from the original legislation.

LNBA Updates –

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Environment 1 in September and October with the exceptions listed below:

September 2023

9/1/23 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

9/1/23 - J12 qualifier for Dissolved Oxygen - End of day calibration verification check standard failed low (potential low data bias).

9/5/23 - J12 qualifier - Daily Calibration Log Sheet unaccounted for. Could not perform secondary review of calibration data.

9/11/23 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

9/21/23 - J4080000 (Poplar Creek at SR-2049 near Knightdale) - Flow too low to collect sample. Field parameters only.

9/22/23 - J4115000 (Marks Creek at Neuse River Trail near Archer Lodge) - Flow too low to collect sample. Field parameters only.

October 2023

10/23/23 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

All invoices have been processed and paid through September, 2023.

Renewal of the Memorandum of Agreement with DWR – Haywood noted the LNBA agreement with DWR will expire July 31st so the process to renew the agreement will be underway in the spring. The LNBA should receive a draft agreement early in the year and will need to approve by the May 2nd Board meeting.

NRCA Updates –

Nitrogen Lease Reminder for 2023 – Haywood reminder the membership to review their nitrogen discharges for 2023 and, if necessary, execute a nitrogen lease before December 31, 2023.

LNBA and NRCA Delegates – Haywood provide the Board with a list of delegates and asked for all members to review and update their delegates. Haywood noted he would send an email to confirm the member delegates in the near future.

Discussion on Nitrogen Allocation Compliance Bylaw – John continued the conversation regarding compliance with the individual nitrogen allocations and leasing of nitrogen. A 2018 graph indicating the point at which the NRCA will reach 100% of its nitrogen allocation. A history of the NRCA bylaws and revisions made were presented to show how the NRCA matured over time. It was noted that EPA had concerns over the “bubble permit” concept that violations would continue to occur before the NRCA received its NPDES permit. It was suggested that the Executive Committee or subcommittee draft suggested revisions to the bylaws and bring back to the Board for further review/discussion.

In member updates the Chair, John Kiviniemi, noted he would be retiring effective December 1st. The next meeting is scheduled for February 1, 2024 at 10:00 (host will be determined). With no further business, the meeting was adjourned.

DRAFT

Lower Neuse Basin Association™
Neuse River Compliance Association™

MEMORANDUM

TO: LNBA/NRCA Board

FROM: Haywood Phthisic, Executive Director

DATE: January 29, 2024

SUBJECT: Vacant Officer Positions for the Term ending May 01, 2025.

At the November Board meeting John Kiviniemi gave notice that he would be retiring on December 1, 2023 from the City of Raleigh. On December 5th Donald Smith contacted me to let me know he will be retiring from the Town of Cary effective January 1, 2024. The current remaining officers are: Chuck Smithwick, Vice-Chair and Kenny Stevens, Secretary. The vacant officer positions will need to be filled to serve out the current term ending May 1, 2025.

Candidates:

Chuck is now the acting Chair and is willing to assume that role if the Board approves. Chuck has been a member of both associations since before 2003 and served on many committees.

Jimmy Pridgen, with the City of Wilson, has been a delegate for the associations for many years and has agreed to serve as Treasurer with Board approval.

Ed Buchan is the Water Resources Manager for Raleigh Water and has agreed to serve as Vice-Chair of the associations with Board approval. Ed was with DWQ prior to joining Raleigh Water many years ago.

The floor will also be open for nominations to these positions.

Lower Neuse Basin Association, Inc. / Neuse River Compliance Association, Inc.

Treasurer's Report

1/31/2024

LNBA

Balance Forward: (checking per bank statement - 10/31/2023)		Checking	\$	151,875.62
		Savings		175,738.20
Debits:	Waypoint Analytical, Inc. (LNBA, Invoices)		\$	24,339.90
	Waypoint Analytical, Inc. (Raleigh, Invoices)			4,510.98
	MFG Consulting, LLC			-
	PCi (Invoices)			4,771.35
	Total Debits		\$	33,622.23
Credits:	Interest (checking)		\$	35.58
	Interest (savings)			883.27
	Membership Dues			-
Checking Account Balance (per bank statement -12/31/2023)			\$	118,288.97
				176,621.47
Total LNBA Account Balance			\$	294,910.44

NRCA

Balance Forward: (per bank statement -10/31/2023)		Checking	\$	115,860.28
		Savings		284,173.13
Debits:	PCi (Invoices)		\$	7,133.00
	MFG Consulting, LLC			540.00
	WSP, Inc.			1,828.93
	NCDWR (NPDES Permit Renewal)			4,625.00
	McLawhorn Law Office			400.00
	Total:		\$	14,526.93
Credits:	Transfer from Checking to Savings Acc't		\$	-
	Interest (Savings)			1,428.28
	Interest (Checking)			28.60
	Membership Dues			-
Account Balance (per bank statement - 12/31/2023)		Checking	\$	101,361.95
		Savings		285,601.41
Total NRCA Account Balance			\$	386,963.36

LNBA/NRCA Year to Date Expenditures for FY 2023-24

Date: 1/24/2024

LNBA	Monitoring	ED Services	Training	Admin	Legal	Web Services	Consultant	Total	Raleigh
July, 2023	\$ 8,113.30	\$ 1,559.75	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,673.05	\$ 1,503.66
August	8,113.30	1,833.31	818.40	-	-	180.00	-	10,945.01	1,503.66
September	8,113.30	1,490.86	-	-	-	180.00	-	9,784.16	1,503.66
October	8,113.30	1,300.00	-	650.00	-	-	-	10,063.30	1,503.66
November	8,113.30	1,464.84	-	-	-	-	-	9,578.14	1,503.66
December	8,113.30	1,613.60	-	-	-	-	-	9,726.90	1,503.66
January, 2024	8,113.30	1,692.91	-	-	-	-	-	9,806.21	1,503.66
February	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-
Total	\$ 56,793.10	\$ 10,955.27	\$ 818.40	\$ 650.00	\$ -	\$ 360.00	\$ -	\$ 69,576.77	\$ 10,525.62
Budget	\$ 97,360.00	\$ 21,500.00	\$ 2,000.00	\$ 1,000.00	\$ 10,000.00	\$ 1,500.00	\$ 3,400.00	\$ 154,804.00	\$ 18,044.00

NRCA	Permit/Grant	ED Services	Training	Admin	Legal	Web Services	Consultant	Total	WSP, Inc.
July, 2023	\$ -	\$ 2,339.00	\$ -	\$ -	\$ -	\$ 180.00	\$ 140.00	\$ 2,659.00	\$ -
August	-	2,752.00	1,270.90	-	-	-	-	4,022.90	-
September	-	2,234.00	-	-	-	-	-	2,234.00	420.75
October	-	1,700.00	-	650.00	600.00	180.00	549.00	3,679.00	970.50
November	-	2,172.00	-	-	-	180.00	-	2,352.00	-
December	-	2,421.00	-	-	-	180.00	-	2,601.00	717.45
January, 2024	4,625.00	2,540.00	-	-	-	180.00	-	7,345.00	690.73
February	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-
April	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-
Total	\$ 4,625.00	\$ 16,158.00	\$ 1,270.90	\$ 650.00	\$ 600.00	\$ 900.00	\$ 689.00	\$ 24,892.90	\$ 2,799.43
Budget	\$ 4,500.00	\$ 45,000.00	\$ 2,000.00	\$ 1,000.00	\$ 16,000.00	\$ 1,500.00	\$ 4,000.00	\$ 74,000.00	\$ 30,000.00

Recommended LNBA/NRCA FY 2024 -25 BUDGET

Date: 1/29/2024

LNBA BUDGET

Expenditures	Current FY 23-24 Budget	Recommended FY 24-25 Budget
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Water Sampling Contract	\$ 97,360.00	\$ 97,360.00
Consultant Services	34,900.00	34,900.00
Administrative Costs/Website	2,500.00	2,500.00
Water Sampling Assessment*	18,044.00	18,044.00
Educational Training	2,000.00	2,000.00
Website Update **	15,000.00	-

Total	\$ 169,804.00	\$ 154,804.00
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Revenues

Membership Dues	\$ 136,760.00	\$ 136,760.00
Member Assessment *	18,044.00	18,044.00
Fund Balance **	15,000.00	-
Total	\$ 169,804.00	\$ 154,804.00

* Raleigh Water cost to participate in waster sampling program.

** Update website operating system.

NRCA BUDGET

Expenditures	Current FY 23-24 Budget	Recommended FY 24-25 Budget
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Consultant Services	\$ 65,000.00	\$ 65,000.00
Administrative Costs/Website	2,500.00	2,500.00
Educational Training	2,000.00	2,000.00
MODMON Research	-	-
Website Update **	15,000.00	-
DWQ Permit Fee	4,500.00	4,650.00

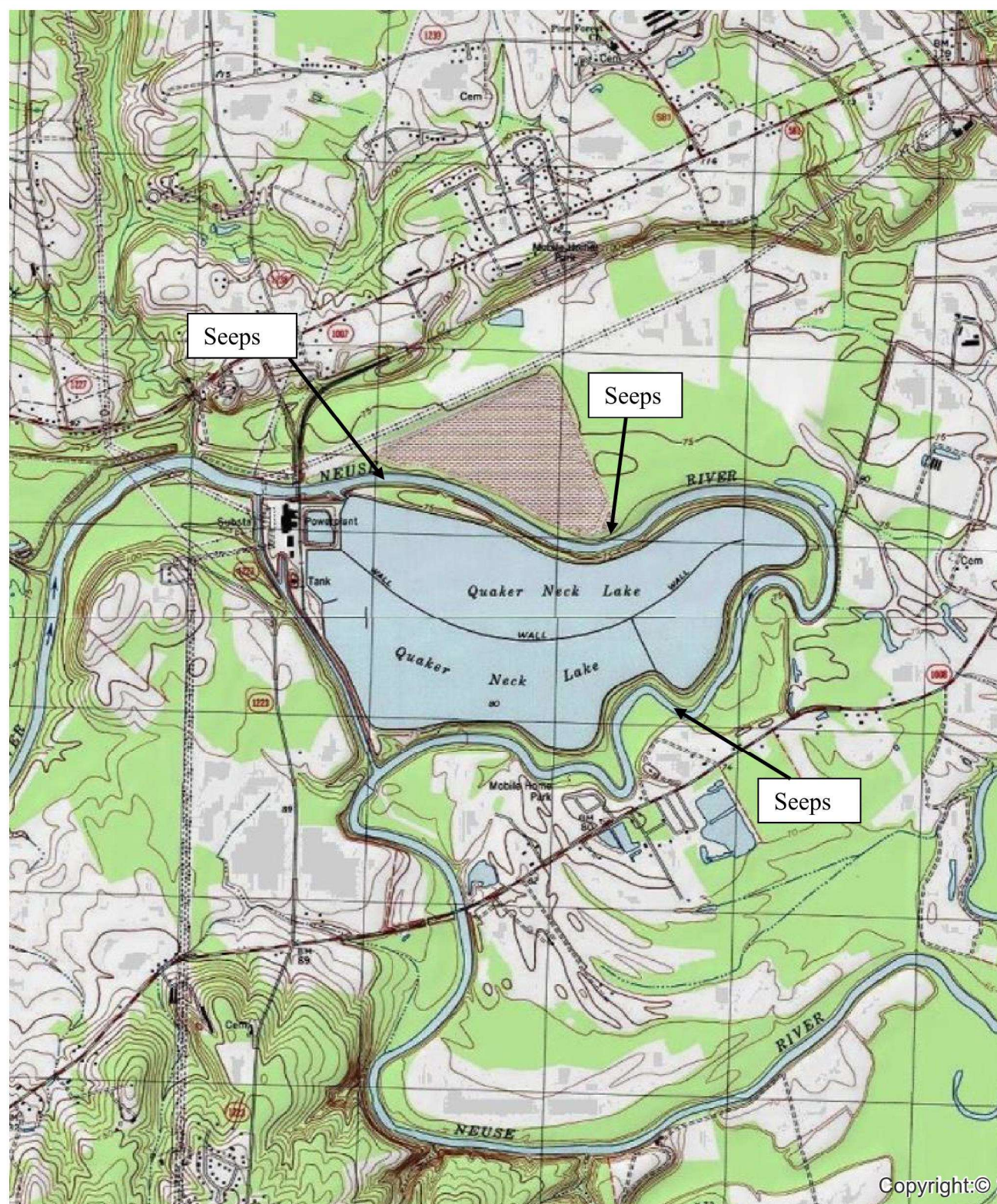
Total	\$ 89,000.00	\$ 74,150.00
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Revenues

Membership Dues	\$ 73,000.00	\$ 74,150.00
Fund Balance	15,000.00	-
Total	\$ 88,000.00	\$ 74,150.00

Total for LNBA/NRCA	\$ 257,804.00	\$ 228,954.00
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** Update website operating system.



HF Lee Energy Complex – NC0003417

Receiving Stream: Neuse River

State Grid/USGS Quad: F26NE / NW Goldsboro

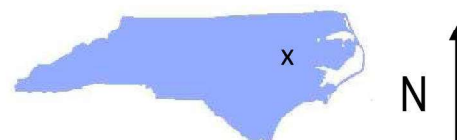
HUC: 03050105

Sub-Basin: 03-04-12

Stream Class: WS-IV

Drainage Basin: Neuse River Basin

Facility Location (not to scale)



Wayne County

Proposed LNBA/NRCA Membership Dues for Fiscal Year 2024 -2025

Date: 1/29/2024

MEMBER	Permitted Flow (MGD)	2024-25 LNBA Base Fee	2024-25 LNBA (Q)	2024-25 Total LNBA Dues	2024-25 NRCA Base Fee	2023 - MidYear EOP Pounds of TN	2024-25 NRCA (\$/lbs.)	2024-25 Total NRCA Dues	Total Dues FY 2024-25
Town of Fuquay-Varina*	3.117	\$ 250.00	\$ 2,176.46	\$ 2,426.46	\$ -	0	\$ -	\$ -	\$ 2,426.46
City of Havelock	2.250	250.00	1,571.07	1,821.07	250.00	13,763	1,032.31	1,282.31	3,103.38
Duke Energy Progress	2.160	250.00	1,508.23	1,758.23	250.00	96	7.20	257.20	2,015.43
CovationBio, Inc.	3.600	250.00	2,513.72	2,763.72	250.00	2,036	152.71	402.71	3,166.43
City of Kinston	11.850	250.00	8,274.32	8,524.32	250.00	23,656	1,774.35	2,024.35	10,548.67
Johnston County	9.500	250.00	6,633.42	6,883.42	250.00	30,962	2,322.34	2,572.34	9,455.76
City of Goldsboro	14.200	250.00	9,915.22	10,165.22	250.00	50,212	3,766.21	4,016.21	14,181.43
Town of LaGrange	0.750	250.00	523.69	773.69	250.00	3,383	253.75	503.75	1,277.44
Contentnea MSD	3.500	250.00	2,443.89	2,693.89	250.00	8,652	648.95	898.95	3,592.85
Town of Kenly	0.630	250.00	439.90	689.90	250.00	5,782	433.69	683.69	1,373.59
City of Wilson	14.000	250.00	9,775.57	10,025.57	250.00	49,508	3,713.40	3,963.40	13,988.98
Town of Benson	1.900	250.00	1,326.68	1,576.68	250.00	11,167	837.59	1,087.59	2,664.28
Town of Farmville	3.500	250.00	2,443.89	2,693.89	250.00	4,168	312.63	562.63	3,256.52
Town of Cary	24.800	250.00	17,316.72	17,566.72	250.00	56,282	4,221.50	4,471.50	22,038.22
City of Raleigh	80.200	250.00	56,000.05	56,250.05	250.00	429,218	32,193.99	32,443.99	88,694.05
City of New Bern	6.500	250.00	4,538.66	4,788.66	250.00	49,513	3,713.78	3,963.78	8,752.44
Town of Apex	3.600	250.00	2,513.72	2,763.72	250.00	17,572	1,318.01	1,568.01	4,331.73
Town of Clayton	2.500	250.00	1,745.64	1,995.64	250.00	27,122	2,034.32	2,284.32	4,279.95
Town of Snow Hill	0.500	250.00	349.13	599.13	250.00	2,747	206.04	456.04	1,055.17
SGWASA**	5.500				250.00	11,072	830.47	1,080.47	1,080.47
City of Durham	20.000				250.00	57,777	4,333.63	4,583.63	4,583.63
Town of Hillsborough	3.000				250.00	6,000	450.04	700.04	700.04
Neuse Colony, Aqua, NC	0.350				250.00	7,498	562.40	812.40	812.40
MCAS Cherry Point**	3.500				250.00	20,273	1,520.60	1,770.60	1,770.60
Carolina Water Service	0.600				250.00	13,374	1,003.13	1,253.13	1,253.13
Craven County	0.860				250.00	3,426	\$ 256.97	506.97	506.97
Total Flow NRCA	219.750	\$ 4,750.00	\$ 132,010.00	\$ 136,760.00	\$ 6,250.00	905,259	\$ 67,900.00	\$ 74,150.00	\$ 210,910.00
Total Flow LNBA	189.057			\$ 136,760.00				\$ 74,150.00	\$ 210,910.00

* indicates LNBA member only

**indicates NRCA member only



MEMO

TO: Haywood Phthisic
FROM: Martin E. Lebo
SUBJECT: Neuse Watershed Model Review Update
DATE: February 1, 2024

PROJECT OBJECTIVE

The overall objective for the project is to review the watershed model being developed by RESPEC under contract with NCDEQ for use in evaluating transport factors for Nitrogen in the Neuse River basin.

BACKGROUND

The authorized project focuses resources on evaluating the calibration of key components of the watershed model when the calibration is nearly complete. Key components are how the model simulates flow throughout the watershed, how the model simulates the deposition and erosion of particles, and how the model simulates the transformations of different forms of nitrogen.

The WSP team participated in a discussion with the model development team (RESPEC) and staff from NCDWR on September 25, 2023 on progress in model development. Access to modeling files during the development process was requested.

RECENT ACTIVITY

The WSP project team has been able to gain access to modeling files from RESPEC and is in the process of evaluating the calibration of water movement throughout the watershed. Some recent activities are:

- October 31, 2023 – review of Point Source representation in the model provided.
- November 30, 2023 – requested schedule for modeling file access to RESPEC.
- December 5, 2023 – participation in Stakeholder Meeting #2 hosted by NCDWR.
- January 11, 2024 – access to modeling files provided through SharePoint site.

ANTICIPATED SCHEDULE

Delivery of model to NCDWR scheduled for March 2024. Focus for WSP review will be during February-March 2024.

General Statutes Changes. – NPDES Discharge to Low Flow and Low Dissolved Oxygen Waters

NC General Statutes § 143-215.1. (c7) Control of sources of water pollution; permits required.

North Carolina General Statutes are frequently amended by the General Assemble. One such statute may be of particular interest to the future of NPDES dischargers with wastewater outfalls into water bodies with naturally low levels of dissolved oxygen. The North Carolina General Statutes § 143-215.1 were amended by SESSION LAW 2022-43 and the law now applies to permits for a new or expanded wastewater discharge facilities.

§ 143-215.1. (c7). is presented below:

§ 143-215.1. (c7)

For surface waters of the State that have naturally occurring low dissolved oxygen levels, as determined by the Department, permitted wastewater discharges to such surface waters shall not cause a reduction in the dissolved oxygen levels of such surface waters of more than 0.10 mg/l below the approved modeled in-stream dissolved oxygen level for the surface waters at total permitted capacity for all discharges to such surface waters.

North Carolina Statutes § 143-215.1. (c8) Discharges of Highly Treated Wastewater

In 2023, Statute § 143-215.1 was amended by Session Law 2023-134. This amendment is of relevant interest to potential NPDES dischargers with wastewater outfalls into water bodies with 7Q10 flow or 30Q2 flows estimated to be low flow or zero flow. G.S. 143-215.1 was amended by adding a new subsection to read:

§ 143-215.1. (c8). DISCHARGES OF HIGHLY TREATED WASTEWATER

(c8) Permitted Discharges of Highly Treated Domestic Wastewater. –

(1) Subject only to the limitations set forth in subdivision (2) of this subsection, the Department shall authorize permitted discharges of highly treated domestic wastewater to surface waters of the State, including wetlands, perennial streams, and unnamed tributaries of named and classified streams where the 7Q10 flow or 30Q2 flow of the receiving waterbody is estimated to be low flow or zero flow, as determined by the United States Geological Survey, from wastewater treatment systems capable of meeting the following water quality-based effluent limitations:

- a. Biological oxygen demand (BOD₅), 5mg/L.
- b. NH₃, 0.5mg/L monthly average, 1.0 mg/L daily maximum.
- c. Total nitrogen, 4mg/L monthly average.
- d. Total phosphorus, 1.0mg/L monthly average, 2.0mg/L daily maximum.
- e. Fecal coliforms, 14 colonies/100mL.
- f. Dissolved oxygen, 6mg/L, or 1mg/L more than the BOD₅ concentration.
- g. Turbidity, 1 Nephelometric Turbidity Units.
- h. Total suspended solids, 5mg/L monthly average.
- i. Nitrate, 1mg/L monthly average.

(2) In addition to the requirements set forth in subdivision (1) of this subsection, only the following requirements shall apply to wastewater discharges to be authorized pursuant to this subsection:

- a. No discharge shall be permitted to classified shellfish waters or outstanding resource waters. Discharges to unnamed tributaries of classified shellfish waters, however, shall be authorized in compliance with the requirements of this section.
- b. The limitation of flow for any wastewater discharge shall be no more than one-tenth of the flow generated by the one-year, 24-hour storm event given the drainage area and calculated using the rational method. The rational method shall be used to calculate the peak runoff for the one-year, 24-hour precipitation event in cubic foot per second. The peak runoff shall then be divided by 10 and multiplied by 646,272 to convert the result to gallons per day of allowable discharge at the point studied.
- c. Discharges shall be limited based on the ability of the receiving waters to hydraulically accept the proposed flow, as demonstrated by being equal to or less than one-tenth of the flow using the rational method.

d. All discharges shall be directed to buffer systems that utilize low-energy methodologies to function as a buffer between the discharge and the receiving waters. Buffer systems shall:

1. Consist of one of the following: (i) high-rate infiltration basins that utilize engineered materials to achieve high rates of infiltration, which engineered materials shall have an ASTM gradation of a clean washed coarse grained sand; (ii) constructed free surface wetlands having a hydraulic residence time of 14 days; and (iii) other suitable technologies that provide a physical or hydraulic residence time buffer, or both, between the discharge and the receiving waters.
2. Discharge to areas that are 50 feet upland of the receiving waters or wetlands at a non-erosive velocity equal to or less than 2 feet per second through an appropriately designed energy dissipater, or other applicable designs, that meet the standard of practice for professional engineers for such devices.
3. Divide the subsequent outfall to the receiving stream so that no one particular outfall exceeds 1 cubic foot per second based on the average daily flow of the discharge. Discharges from buffer systems shall be allowed to be placed at increments along a stream or receiving waters at a distance of no less than 50 linear feet.

(3) For purposes of this subsection, the following definitions apply:

- a. 7Q10 flow. – A method to calculate the minimum average flow of a receiving water for a period of seven consecutive days that has an average recurrence of once in 10 years.
- b. 30Q2 flow. – A method to calculate the minimum average flow of a receiving water for a period of 30 consecutive days that has an average recurrence of once in two years.
- c. Highly treated domestic wastewater. – Wastewater effluent from treatment systems that receive flows from sources of domestic wastewater that meet the effluent limitations as set forth in subdivision (1) of this subsection.
- d. Rational method. – The method of computing storm drainage flow rates (Q) by use of the formula $Q = CIA$. For purposes of this sub-subdivision, the following definitions apply:

1. C. – The rational coefficient describing the stormwater runoff characteristics of the drainage.
2. I. – The rainfall intensity for the one-year, 24-hour precipitation event given by the National Oceanic and Atmospheric Administration through its online precipitation data server or other appropriate sources in units of inches per hour.
3. A. – The catchment area tributary to the point being studied as further defined using methodologies that meet the standard of practice for such work, including, but not limited to, web-based data and tools provided by the United States Geological Survey or by other analysis using topographic data that follows the standard of practice for such work by licensed professional engineers in units of acres.

(4) Once an applicant has submitted data to demonstrate the proposed discharge will meet the requirements of subdivisions (1) and (2) of this subsection, signed and sealed by a professional engineer licensed in accordance with the provisions of Chapter 89C of the General Statutes, the application shall be deemed complete for the purposes of review by the Department."

SECTION 12.9.(b) If rules are required in order to implement the requirements of this section, the Department of Environmental Quality shall adopt temporary rules no later than 60 days after this section becomes law. Any temporary rules adopted in accordance with this section shall remain in effect until permanent rules that replace the temporary rules become effective. Rules adopted pursuant to this section shall not, however, impose additional requirements on permitting of the discharge of highly treated domestic wastewater over that established under G.S. 143-215.1(c8), as enacted by subsection (a) of this section.

SECTION 12.9.(c) This section is effective when it becomes law. G.S. 143-215.1(c8), as enacted by subsection (a) of this section, applies to permits for new or expanded wastewater discharge facilities issued on or after that date.

Lower Neuse Basin Association ®

TO: Board Members
FROM: Haywood Phthisic, Executive Director
SUBJECT: Sampling/Monitoring Report for February 1, 2024 Board Meeting
DATE: January 29, 2024

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Waypoint in November and December with the exceptions listed below:

November 2023

11/06/23 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

11/27/23 – J5630000 (Little River at Riley Hill Road near Zebulon) - Unable to collect due to bridge construction.

December 2023

12/04/23 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

12/20/23 – J5630000 (Little River at Riley Hill Road near Zebulon) - Unable to collect due to bridge construction.

All invoices have been processed and paid through December, 2023.

Memorandum of Agreement with DWR (July 31, 2024) – I have received the draft agreement from DWR. The time frame for renewing the agreement will be the final agreement will be presented to the LNBA Board at the May 2, 2024 meeting for approval and proceed to have all members sign the document.