

AGENDA

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

**May 2, 2024
Smithfield, N. C.
10:00 a.m.**

- **Welcome, Roll Call, and Introduction of Guests**
 - * Member Introductions**
- **Approval of Minutes for February 1, 2024 (AI) (pages 2 – 4) –**
- **LNBA/NRCA Financials –**
 - * February, March, and April, 2024 Treasurer’s Reports (AI) (pages 5-6) –**
 - * Contracts & Agreements (AI) -**
 - McLawhorn Law -**
 - Executive Director Services Agreement – (page 7)**
- **Neuse Basin Modeling Update – (page 8-9)**
- **LNBA Updates -**
 - * Sampling Report – January, February, March, and April 2024 – (page 10)**
 - * Approval of DWR MOA with LNBA (AI) – (page 11)**
 - * LNBA Annual Report for 2023 – (pages 12-13)**
- **NRCA Updates -**
 - * NRCA Permit Renewal Update -**
 - * NRCA 2023 Annual Report – (pages 14-17)**
- **LNBA/NRCA Training Workshop for 2024 – July 30th in Raleigh; August 1 in Kinston**
- **Member Reports -**
- **Next Meeting and Adjourn – September 5, 2024, City of Goldsboro, Goldsboro, N. C.**

Action Items (AI)

Lower Neuse Basin Association®/Neuse River Compliance Association®
February 1, 2024 Meeting Minutes
City of Wilson, Wilson, N. C.

Attending:

Chuck Smithwick	Contentnea MSD	Jonathan Bulla	Town of Cary
Mike Graham	Duke Energy	Josh Cummings	Town of Cary
Dan McLawhorn	McLawhorn Legal	Ed Buchan	City of Raleigh
Lorrie Stagner	Aqua, N. C.	Brian Leavitt	Town of Benson
Reggie Hicks	City of Durham	Joshua Baird	Town of Clayton
David White	Town of Clayton	Adam Stephenson	Town of Fuquay-Varina
Heather Adams	Town of Fuquay-Varina	Anthony Futrell	Carolina Water Service
Tony Konsul	Carolina Water Service	Jeff Mahagan	Town of Hillsborough
Jimmy Pridgen	City of Wilson	Jay Murray	Town of Benson
Glenn Dunn	Poyner & Spruill	Jason Parker	Town of Cary
Arthur Hough	City of New Bern	Raj Laddha	CMSMinds
Shelby Arellano	CovationBio	Carol Davis	CovationBio
Dan Wall	Johnston County	Marty Lebo	WSP, Inc.
Jay Sauber	Sauber WQC	Mark Vander Borgh	NC DWR
Ron Boquist	Waypoint Anal.	Andrew Mlot	City of Wilson
Barrett Jenkins	Restoration Systems	Kenny Stevens	City of Kinston (virtual)
Haywood Phthisic	LNBA/NRCA		

The Vice Chair, Chuck Smithwick, called the meeting to order and welcomed everyone. The roll was called and there were 13 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 November 2, 2023 meeting were presented. Being no revisions, Dan Wall made the motion to approve, seconded by Ed Buchan, and approved by the Boards.

Officer Elections for the Remaining Term (May, 2025) – The Vice Chair reported that our Chair and Treasurer retired in December thus the need to fill the officer positions for the remainder of their terms, May 2025. Haywood reported an email was sent to announcing this meeting was the annual meeting for 2024 and officer elections would occur. An email was sent to the membership asking if anyone would serve or like to serve as an officer. The following members have agreed to serve: Chuck Smithwick, Chair; Ed Buchan, Vice Chair; and Jimmy Pridgen, Treasurer. The Vice Chair asked if there were any nominations from the floor and, being none, asked if there was a motion to approve the three nominees as presented. Jonathan Bulla with the motion to approve, seconded by Kenny Stevens, and approved by the Boards.

LNBA/NRCA Financials – Treasurer's Report – Haywood presented the Treasurer's Report for the period of November, December, 2023, and January, 2024 to the Board. As of January 31st, the LNBA account balance is \$294,910.44 and NRCA account balance is \$386,963.36. Haywood noted that the report was prepared prior to the bank statement close so the report did not include savings account interest for January. Ed Buchan made the motion to approve the reports as presented, seconded by Bert Sherman, and approved by the Boards, respectively.

Website Update and Maintenance Agreement – Haywood reported the updated website is online and functioning. With that, a new maintenance agreement is needed to support the website and an agreement with River Delta Consulting, Inc. (RDC) is presented for the Boards' consideration. Raj Ladda, with RDC, was introduced to the membership. Raj led the update of the website and will provide ongoing support. There will be an agreement with the LNBA and the NRCA for the site maintenance with each agreement having a \$2,000 annual limit. The hourly rate for the maintenance service will be \$150.00 with the maintenance billed quarterly. Following discussion, Jimmy Pridgen made the motion to approve the agreements and authorized the Chair to execute it, seconded by Ed Buchan, and approved by the Boards.

FY 2024-25 Recommended Budget and Membership Dues – Haywood presented the FY 2024-25 LNBA and NRCA budgets and membership fees for the Boards' consideration. The budgets for both associations are presented with little increase. For the LNBA, Duke Energy had an increase in permitted flow in their recent renewal for account for the amount of water being removed in the coal ash excavations and removal from the site. The permitted flow increased from 2.16 mgd to 10.16 mgd which will shift member dues until this coal ash removal is completed. The NRCA had normal shifts in discharged total nitrogen discharges so small variations in dues are normal. Following discussion, Dan Wall made the motion to approve the budgets and membership dues as presented, seconded by Jimmy Pridgen, and approved by the Boards.

Neuse Watershed Modeling Update – Dr. Marty Lebo with WSP, Inc. updated the Board on the Neuse Watershed modeling. Marty anticipates delivery of the model to DWR will be in early spring and his team would begin review of the model work.

Low Dissolved Oxygen Legislation Update – Jay Sauber gave the Board an update on changes that were made in the last legislative session. Jay noted that this will be of particular interest to members who discharge to waters classified as swamp waters. The amendment states *“for surface water of the State that have naturally occurring low dissolved oxygen levels permitted discharges shall not cause a reduction in dissolved oxygen levels of such surface waters of more than 0.10 mg/L below the approved modeled in-stream dissolved oxygen level at total permitted capacity”*.

LNBA Updates –

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed 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.

Renewal of the 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.

NRCA Updates –

Operator Certification Renewal Fees – Haywood noted that with the increase in the operator certification renewals (increasing from \$50 to \$50 per certification) may cause issues with operators not renewing their certifications upon retirement thus the statewide pool of certified operators may diminish in time. There is discussion of seeking an amendment to this legislation.

LNBA and NRCA Delegates – Haywood provided 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.

NRCA Annual Report for 2023 – Haywood reported the draft NRCA annual report for 2023 will be sent to the membership in the next week or so and asked that everyone review their data for accuracy.

Annual Training Workshop Committee – Haywood reported the committee will be beginning work on the 2024 workshop and if any members would like to participate on the committee to please contact Haywood.

LNBA/NRCA Delegates – Haywood reminded the membership to please keep the membership delegates updated by notifying him.

The next meeting is scheduled for May 2, 2024 at 10:00 hosted by Johnston County Utility Dept., Smithfield, N. C. With no further business, the meeting was adjourned.

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

Treasurer's Report

5/1/2024

LNBA

Balance Forward: (checking per bank statement - 1/31/2024)		Checking	\$	118,304.87
		Savings		177,070.81
Debits:			\$	
	Waypoint Analytical, Inc. (LNBA, Invoices)			27,339.90
	Waypoint Analytical, Inc. (Raleigh, Invoices)			4,510.98
	River Delta Consulting			15,000.00
	MFG Consulting, LLC			180.00
	PCi (Invoices)			5,216.88
	Total Debits		\$	52,247.76
Credits:			\$	
	Interest (checking)			36.10
	Interest (savings)			1,312.04
	Membership Dues			-
Checking Account Balance (per bank statement -4/30/2024)		Checking	\$	66,093.21
		Savings		178,382.85
Total LNBA Account Balance			\$	244,476.06

NRCA

Balance Forward: (per bank statement -1/31/2024)		Checking	\$	101,375.16
		Savings		286,328.01
Debits:			\$	
	PCi (Invoices)			9,691.00
	River Delta Consulting			15,000.00
	WSP. Inc.			5,900.85
	Sauber Water Quality Consulting			2,013.00
	McLawhorn Law Office			1,600.00
	Total:		\$	34,204.85
Credits:			\$	
	Transfer from Checking to Savings Acc't			-
	Interest (Savings)			2,119.98
	Interest (Checking)			32.93
	Membership Dues			-
Account Balance (per bank statement - 4/30/2024)		Checking	\$	67,203.24
		Savings		288,447.99
Total NRCA Account Balance			\$	355,651.23

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

Date: 4/29/2024

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	-	-	-	180.00	-	9,986.21	1,503.66
February	8,113.30	1,939.82	-	-	-	-	2,013.00	12,066.12	1,503.66
March	8,113.30	1,686.04	-	-	-	-	15,000.00	24,799.34	1,503.66
April	8,113.30	1,591.02	-	-	-	-	-	9,704.32	1,503.66
May	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-
Total	\$ 81,133.00	\$ 16,172.15	\$ 818.40	\$ 650.00	\$ -	\$ 540.00	\$ 17,013.00	\$ 116,326.55	\$ 15,036.60
Budget	\$ 97,360.00	\$ 21,500.00	\$ 2,000.00	\$ 1,000.00	\$ 10,000.00	\$ 1,500.00	\$ 18,400.00	\$ 169,804.00	\$ 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	-	-	-	-	-	7,165.00	690.73
February	-	3,604.00	-	-	1,600.00	-	-	5,204.00	291.75
March	-	3,131.00	-	-	-	-	15,000.00	18,131.00	-
April	-	2,956.00	-	-	-	-	-	2,956.00	5,900.85
May	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-
Total	\$ 4,625.00	\$ 25,849.00	\$ 1,270.90	\$ 650.00	\$ 2,200.00	\$ 720.00	\$ 15,689.00	\$ 51,003.90	\$ 8,992.03
Budget	\$ 4,500.00	\$ 45,000.00	\$ 2,000.00	\$ 1,000.00	\$ 16,000.00	\$ 1,500.00	\$ 19,000.00	\$ 89,000.00	\$ 30,000.00

Executive Director Services Contract Finance Committee Recommendation

5/02/2024

Executive Committee Members – Chuck Smithwick, Contentnea MSD; Ed Buchan, Raleigh Water; Jimmy Pridgen, City of Wilson; Kenny Stevens, City of Kinston.

The Executive Committee met (via Teams call on April 8, 2024) with Haywood Phthisic of Phthisic Consulting, Inc. to discuss the renewal of the executive director services contract. Haywood presented a draft contract agreement with minor revisions from the previous agreement. Those revisions are:

- For FY 2023-24 the consultant hourly rate will remain at \$75.00 per hour. Beginning on June 01, 2024 the rate will increase to \$85.00 per hour for the remainder on the contract.
- Intuit, Inc. has revised its pricing structure for QuickBooks to \$20 per month (online service, no CD of the software is available). PCi has asked to be reimbursed for that cost at \$240 annually in advance. Conference reimbursement has been reduced from \$1,500 to \$1,000, annually.
- The agreement term is 3 years with a 60 day notice to terminate by both parties.

Following discussion, the committee recommends renewal of the agreement as presented.



MEMO

TO: Haywood Phthisic
FROM: Martin E. Lebo
SUBJECT: Neuse Watershed Model Review Update
DATE: April 30, 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 an initial 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 and has been provided for flow, sediment, and nitrogen components.

RECENT ACTIVITY

The WSP project team provided a review of the flow calibration to the modeling team and is in the process of reviewing calibration plots for sediments and nutrients. With the calibration information for nutrients, an updated flow calibration was provided. Completed and in progress activities for the project 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.
- February 27, 2024 – WSP provided a memo to client on the flow calibration with suggested improvements to the calibration.



- March 23, 2024 – access to modeling files for the updated flow calibration and the calibration of sediment and nutrients was provided to WSP.
- April 24, 2024 – a targeted review of the updated flow calibration was completed focusing on key mainstem and tributary locations. The updated calibration had improvements in the areas identified by WSP. The review will be included in the project memo to be completed for the current calibration review.

ANTICIPATED SCHEDULE

The near-term focus will be to complete review of the nutrient and sediment components of the watershed model and prepare comments on how the calibration may be improved. Comments on the model calibration will be summarized in a second project memo provided for client review before providing to the model development team. Completion of the review is anticipated in May 2024.

Lower Neuse Basin Association ®

TO: Board Members
FROM: Haywood Phthisic, Executive Director
SUBJECT: Sampling/Monitoring Report for May 2, 2024 Board Meeting
DATE: April 30, 2024

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Waypoint in January, February, March, and April with the exceptions listed below:

January 2024

01/30/24 – J5630000 (Little River at Riley Hill Road near Zebulon) - Unable to collect due to bridge construction.

February 2024

2/08/24 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

March 2024

03/04/2024 - J4520000 (Swift Creek at Steel Bridge Rd nr Smithfield) - Unable to collect due to construction.
03/21/2024 - J5630000 (Little River at Riley Hill Rd nr Zebulon) - Unable to collect due to bridge construction.

April 2024

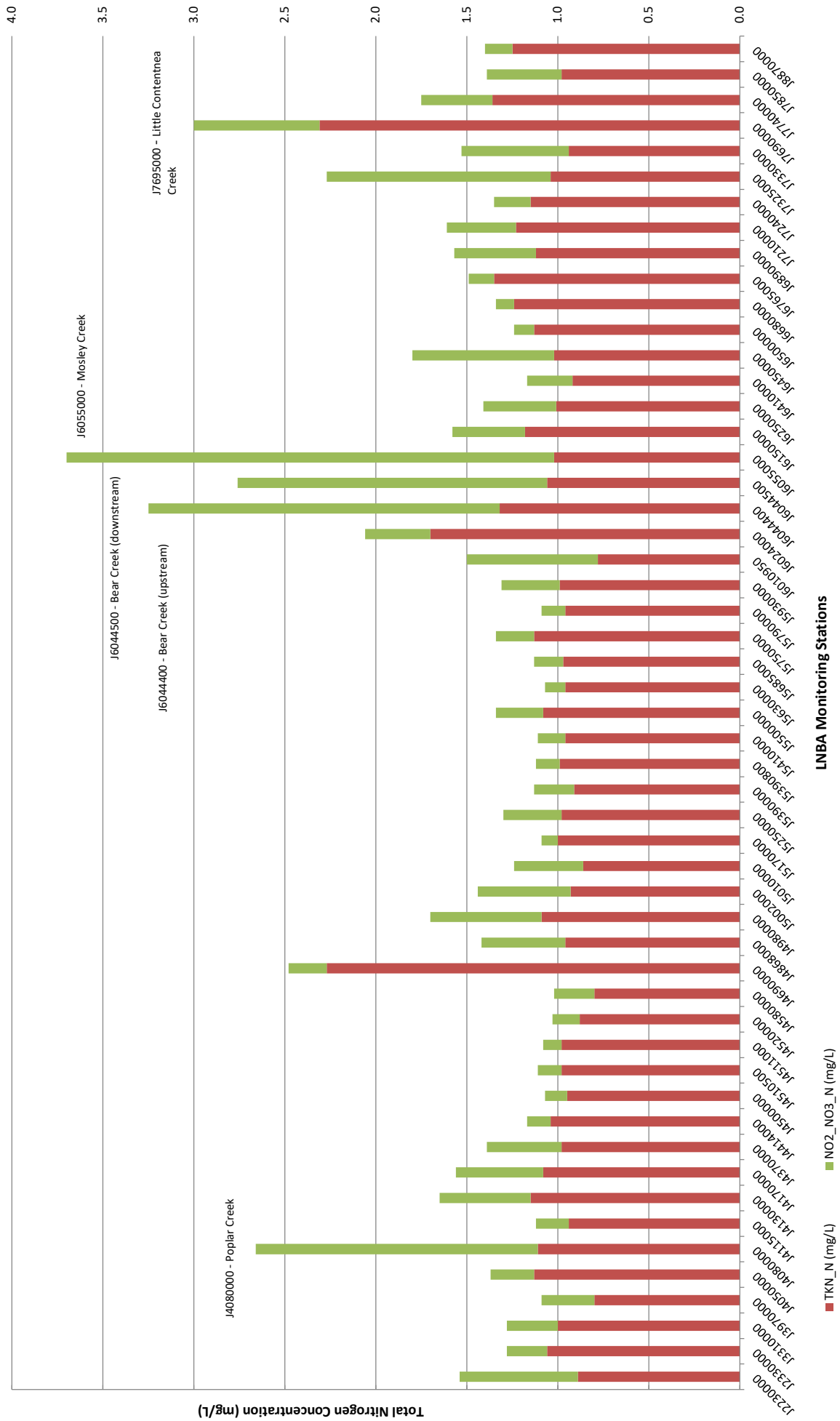
4/25/24 - J4690000 (Middle Creek, Sunset Lake near Holly Springs (SR-1152) - Unable to collect due to bridge construction.

All invoices have been processed and paid through March, 2024.

Memorandum of Agreement with DWR (July 31, 2024) – The draft agreement from DWR has been received and distributed to the Executive Committee for review. The signature authority list has been updated so please review the list. If any changes occur related to the signature authority between now and completion of the MOA agreement please contact me immediately.

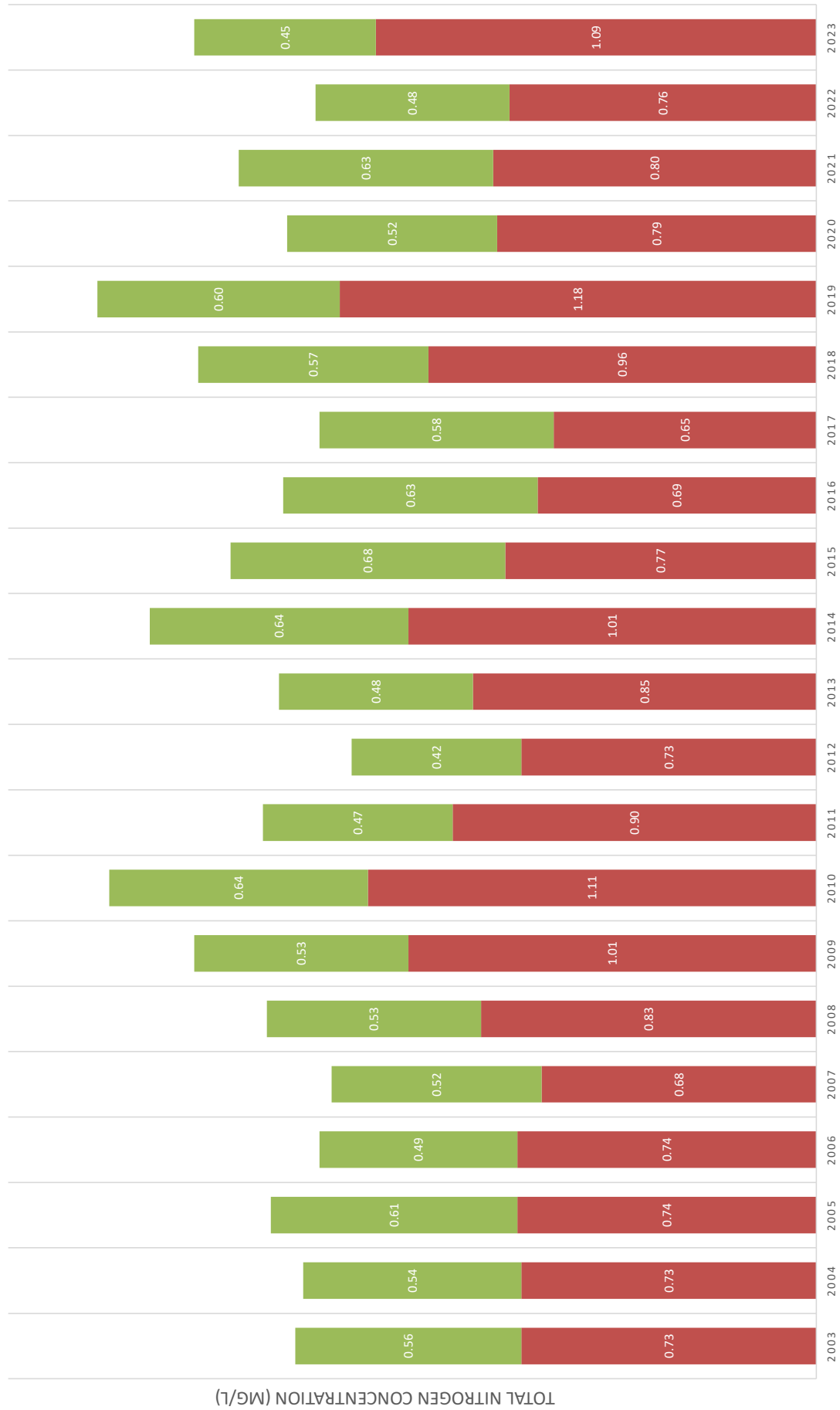
NPDES Permit #	LNBA Permittees Ownership and Facility	Authorized Representative and Title	County	Region	HUC (8 Digit)
NC0003417	Duke Energy Progress, LLC H. F. Lee Energy Complex	Jeffery D. Hines General Manager	Wayne	WaRO	3020201
NC0003760	CovationBio, Inc.	David Suggs	Lenoir	WaRO	3020202
NC0020389	Town of Benson - Benson WWTP	Kimberly Picket Public Utility Director	Johnston	RRO	3020201
NC0021253	City of Havelock - Havelock WWTP	Chris McGee City Manager	Craven	WaRO	3020204
NC0021644	Town of LaGrange - LaGrange WWTP	Shawn Condon Town Manager	Lenoir	WaRO	3020202
NC0023906	City of Wilson - Wilson WWTP	Grant Goings City Manager	Wilson	RRO	3020203
NC0023949	City of Goldsboro - Goldsboro WWTP	Matthew Livingston City Manager	Wayne	WaRO	3020202
NC0024236	City of Kinston - Kinston Regional WWTF	Steve Miller Director of Public Services	Lenoir	WaRO	3020202
NC0025348	City of New Bern - New Bern WWTP	Foster Hughes City Manager	Craven	WaRO	3020204
NC0025453	Town of Clayton - Little Creek WWTP	Rich Cappola Town Manager	Johnston	RRO	3020201
NC0029033	City of Raleigh - Neuse River WWTP	Edward Buchan Assistant Utility Director	Wake	RRO	3020201
NC0029572	Town of Farmville - Farmville WWTP	David Hodgkins Town Manager	Pitt	WaRO	3020203
NC0030716	Johnston County Central Johnston County Regional WWTP	Rick J. Hester County Manager	Johnston	RRO	3020201
NC0030759	City of Raleigh - Smith Creek WWTP	Edward Buchan Assistant Utility Director	Wake	RRO	3020201
NC0032077	Contentnea Metropolitan Sewerage District Contentnea MSD WWTP	Charles M. Smithwick, Jr. District Manager	Pitt	WaRO	3020203
NC0048879	Town of Cary - North WWTP	Jonathan Bulla North Cary WRF Manager	Wake	RRO	3020201
NC0064050	Town of Apex - Apex WRF	Randal E. Vosburg Town Manager	Wake	RRO	3020201
NC0064891	Town of Kenly - Kenly Regional WWTP	Tony Sears Interim Town Manager	Johnston	RRO	3020201
NC0065102	Town of Cary - South WWTP	Jarrod Buchanan South Cary WRF Manager	Wake	RRO	3020201
NC0066516	Town of Fuquay Varina Terrible Creek WWTP	Michael Wagner Town Manager	Wake	RRO	3020201
NC0020842	Town of Snow Hill Snow Hill WWTF	Todd Whaley Town Manager	Greene	WaRO	3020203
NC0079316	City of Raleigh - Little Creek WWTP	Edward Buchan Assistant Utility Director	Wake	RRO	3020203
NC0084735	Johnston County Johnston County WTP	Rick J. Hester County Manager	Johnston	RRO	3020201

2023 LNBA Monitoring Stations Total Nitrogen Annual Average Concentrations



2003-2023 AVERAGE TOTAL NITROGEN CONCENTRATIONS FOR LNBA SAMPLING SITES

■ TKN_N (mg/L) ■ NO2_NO3_N (mg/L)



Avg. TKN_N = 0.85 mg/L Avg. NO2_NO3_N = 0.55 mg/L

YEAR

NEUSE RIVER COMPLIANCE ASSOCIATION
Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 1 of 5

NPDES Permit #: NCC00001		END OF PIPE				ESTUARY					
FACILITY	NPDES Permit #	Permit Flow (MGD)	2023 Avg. Flow (MGD)	Member TN Allocation (Lbs/Yr.)	Member TN Discharge (Lbs/Yr.)	Transport Factor	2023 Lease (Estuary Lbs.)	Member Estuary Allocation	Adjusted TN Allocation (Lbs/Yr.)	2023 TN Delivery (Lbs/Yr.)	% of Estuary Allocation
SGWASA Town of Hillsborough City of Durham	NC0026824	5.500	1.538	22,420	11,888	10%	0	2,242	0	1,189	53
	NC0026433	3.000	1.138	10,422	6,207	10%	0	1,042	0	621	60
	NC0023841	20.000	9.223	97,665	70,513	10%	0	9,767	0	7,051	72
Town of Apex Town of Benson Town of Cary ~ North Town of Cary ~ South City of Raleigh ~ Smith Creek City of Raleigh ~ Neuse Raleigh ~ Ground Water City of Raleigh ~ Little Creek Town of Clayton Neuse Colony, (Aqua NC) Johnston County Town of Kenly Town of Farmville Town of Snow Hill City of Wilson Duke Energy ~ Lee Facility City of Goldsboro Town of LaGrange City of Kingston (Regional) Contentnea MSD CovationBio, Inc. City of New Bern MCAS Cherry Point City of Havelock Craven County Carolina Water Service, Inc.	NC0064050	3.600	1.267	40,547	17,257	50%	0	20,274	0	8,628	43
	NC0020389	1.900	1.082	33,070	10,856	50%	0	16,535	0	5,428	33
	NC0048879	12.000	6.142	143,246	35,151	50%	0	71,623	0	17,575	25
	NC0065102	12.800	5.195	180,211	26,067	50%	0	90,105	0	13,034	14
	NC0030759	3.000	2.377	70,814	35,802	50%	0	35,407	0	17,901	51
	NC0029033	75.000	47.936	713,373	332,889	50%	0	356,687	0	166,444	55
	NA	NA	NA	NA	58,392	50%		NA		29,196	
	NC0079316	2.200	0.917	26,660	5,406	50%	0	13,330	0	2,703	20
	NC0025453	2.500	1.751	26,636	24,773	50%	0	13,318	0	12,386	93
	NC0064564	0.350	0.251	8,447	5,890	50%	0	4,224	0	2,945	70
	NC0030716	9.500	5.257	73,476	38,434	50%	0	36,738	0	19,217	52
	NC0064891	0.630	0.375	7,096	6,296	50%	0	3,548	0	3,148	89
	NC0029572	3.500	1.021	42,211	4,533	50%	0	21,106	0	2,267	11
	NC0020842	0.500	0.243	5,632	2,703	50%	0	2,816	0	1,351	48
	NC0023906	14.000	8.026	157,886	47,608	50%	0	78,943	0	23,804	30
Duke Energy ~ Lee Facility City of Goldsboro	NC0003417	10.160	0.069	3,260	79	70%	0	2,282	0	55	2
	NC0023949	14.200	8.607	199,822	57,704	70%	0	139,876	0	40,393	29
Town of LaGrange City of Kingston (Regional) Contentnea MSD	NC0021644	0.750	0.309	8,447	3,915	70%	0	5,913	0	2,740	46
	NC0024236	11.850	3.825	126,711	27,225	70%	0	88,697	0	19,057	21
	NC0032077	3.500	1.683	37,100	9,172	70%	10,750	25,970	15,220	6,420	42
CovationBio, Inc.	NC0003760	3.600	0.229	25,493	3,415	70%	0	17,845	0	2,390	13
City of New Bern	NC0025348	6.500	4.126	64,210	48,318	100%	0	64,210	0	48,318	75
MCAS Cherry Point	NC0003816	3.500	1.258	39,421	20,645	100%	0	39,421	0	20,645	52
City of Havelock	NC0021253	2.250	1.264	21,400	13,747	100%	0	21,400	0	13,747	64
Craven County	NC0084460	0.000	0.861	0	3,750	100%	4,250	0	4,250	3,750	88
Carolina Water Service, Inc.	NC0033111	0.600	0.325	11,263	17,035	100%	6,500	11,263	17,763	17,035	96
		226.890	116.292							509,441	41.9

This Compliance Report has been compiled from co-permittee members' monthly discharge monitoring reports. I certify that this report is accurate and complete to the best of my knowledge.



Charles Smithwick, Chairman, Neuse River Compliance Association

3-26-2024

Date

- NOTES: 1. Average Total Nitrogen Concentration End of Pipe by NRCA Members during 2023: 2.51 mg/L
2. Average Total Nitrogen Concentration with ground water contribution in 2023: 2.67 mg/L
3. NRCA's Annual Report Prepared By: Haywood M. Phthisic, III, Executive Director
4. Monthly discharge adjusted as required by the individual permit.

NRCA 2023 Annual Report Summary w/ Potential TN Reductions

Date: 4/30/2024

FACILITY	Average EOP Conc (mg/l)	Average Flow MGD		Potential TN Reduction (lbs)
Duke Energy Progress - Lee	0.38	0.069		
Craven County	1.43	0.861		
Town of Farmville	1.46	1.021		
Town of Cary, South	1.65	5.195		
Town of Hillsborough	1.79	1.138		
Contentnea MSD	1.79	1.683		
Town of Cary, North	1.88	6.142		
City of Raleigh - Little Creek	1.94	0.917		
City of Wilson	1.95	8.026		
City of Goldsboro, Pipes 01&02	2.20	8.607		
City of Raleigh - Neuse River	2.28	49.936		
City of Kinston (Regional)	2.34	3.825		
Johnston County	2.40	5.257		
City of Durham	2.51	9.223		
SGWASA	2.54	1.538		
Town of Benson	3.30	1.082	0.30	988
City of Havelock	3.57	1.264	0.57	2,193
Town of Snow Hill	3.66	0.243	0.66	2,707
City of New Bern	3.85	4.126	0.85	10,676
Town of LaGrange	4.16	0.309	1.16	1,091
Town of Apex	4.48	1.267	1.48	5,708
Town of Clayton	4.65	1.751	1.65	8,795
City of Raleigh - Smith Creek	4.95	2.377	1.95	14,110
CovationBio, Inc.	4.91	0.229	1.91	1,331
MCAS Cherry Point	5.39	1.258	2.39	9,152
Town of Kenly	5.52	0.375	2.52	2,877
Neuse Colony (Aqua)	7.72	0.251	4.72	3,606
CWS Systems, Inc.	17.23	0.325	14.23	14,078
Daily Average	2.44	107.551		76,326

Annual Report Values	Average EOP Conc. (mg/L)	Average Estuary Lbs.	Avg. Flow MGD	Avg. Estuary w/o Debit
2003	3.81	722,374	108.379	
2004	3.38	558,777	101.203	
2005	3.25	566,627	101.739	
2006	3.12	542,205	102.970	
2007	3.02	461,325	92.994	
2008	3.41	489,798	91.005	
2009	3.02	497,639	98.570	
2010	2.98	584,398 *	101.909	527,275
2011	2.85	519,199 *	93.384	464,014
2012	2.80	540,892*	97.281	487,794
2013	2.62	514,847*	102.413	463,836
2014	2.71	568,387*	108.359	519,612
2015	3.03	610,915*	108.721	564,277
2016	2.87	593,145*	108.734	548,644
2017	2.53	491,822*	101.510	449,408
2018	2.54	556,567*	113.204	516,191
2019	2.33	481,011*	105.573	442,671
2020	2.54	516,645*	126.823	485,739
2021	2.50	564,859*	123.840	534,533
2022	2.44	456,385*	107.551	426,669
2023	2.51	509,441*	116.292	480,245

* Includes nitrogen debit for City of Raleigh's land application system

NRCA 2010 Annual Report Summary w/ Potential TN Reductions

Date: 3/01/2011

FACILITY	Average Conc (mg/l)		Average Flow MGD		Potential TN Reduction (lbs)
Progress Energy - Lee	0.88		2.927		
Johnston County	1.50		3.923		
Dupont-Kinston	1.85		0.246		
Town of Cary, South	1.98		4.981		
City of Kinston (Regional)	2.14		5.131		
City of Raleigh - Neuse	2.48		43.738		
MCAS Cherry Point	2.62		1.704		
Town of Cary, North	3.00		5.812		
City of Raleigh - Little Creek	3.10		0.642	0.10	195
City of Wilson	3.18		8.088	0.18	4,432
City of Goldsboro, Pipes 01&02	3.59		8.505	0.59	15,275
SGWASA	3.69		2.017	0.69	4,237
Town of Apex	3.93		2.394	0.93	6,777
Town of Farmville	4.00		1.253	1.00	3,814
Town of Clayton	4.11		1.724	1.11	5,825
Town of LaGrange	4.35		0.487	1.35	2,001
City of Raleigh - Smith Creek	4.94		1.231	1.94	7,270
City of New Bern	5.25		3.816	2.25	26,137
Town of Benson	6.59		1.009	3.59	11,027
Contentnea MSD	8.27		1.762	5.27	28,267
Town of Kenly	9.90		0.352	6.90	7,393
Neuse Colony (Aqua)	19.96		0.165	16.96	8,519
Daily Average	2.98		101.909		131,169
				2009	181,650

Annual Report Values	Average EOP Conc. (mg/L)		Average Estuary Lbs.	Avg. Flow MGD
2003	3.81		722,374	108.379
2004	3.38		558,777	101.203
2005	3.25		566,627	101.739
2006	3.12		542	102.970
2007	3.02		461,325	92.994
2008	3.41		489,798	91.005
2009	3.02		497,639	98.570
2010	2.98		527,311	101.909

Total Nitrogen Load at Fort Barnwell, Station J7850000

