

AGENDA

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

**September 3, 2026
Wilson, N. C.
10:00 a.m.**

- **Welcome, Roll Call, and Introduction of Guests -**
 - * Member Introductions**
- **Approval of Minutes May 7, 2026 and June 30, 2026 (AI) – pages 2 - 4**
- **LNBA/NRCA Financials –**
 - * LNBA/NRCA Treasurer Reports (AI) – page 5**
 - * 2025 990 Tax Returns -**
 - * Executive Director Agreement Amendment #2 (AI) –**
- **Request for Membership in NRCA, Fuquay-Varina (AI) – pages 6 - 7**
- **Guest Speaker – Quaternary Ammonium Compounds, Mary Sadler, Hazen & Sawyer.**
- **Draft Neuse Watershed Model Update – pages 8 - 9**
- **2026 LNBA/NRCA Training Workshop Report – page 10**
- **LNBA Updates -**
 - * Sampling Report – May, June, July, and August, 2026 – page 11**
 - * Waypoint Acquisition -**
- **Member Reports -**
- **Next Meeting Location and Adjournment – November 5, 2026, Goldsboro, N. C.**

Action Items (AI)

Lower Neuse Basin Association®/Neuse River Compliance Association®
May 7, 2026 Meeting Minutes
City of Kinston, N. C.

Attending:

Chuck Smithwick (Chair)	Contentnea MSD	Jonathan Bulla (Treas)	Town of Cary
Robert Sherman	City of Goldsboro	Jimmy Pridgen (V-Chair)	City of Wilson
Lori Avent (Sec)	Town of Apex	Jonathan Jacobs	Town of Apex
Reggie Hicks	City of Durham	Scott Smart	City of Raleigh
David White	Town of Clayton	Carolyn Bachl	City of Raleigh
Jim Wrenn	Smith Anderson Law	Corrie Bondar	Town of Cary
Shelby Arellano	CovationBio	Aaron Babson	Hazen & Sawyer
Rob Boquist	Waypoint Anal.	Salvidor Valdiviezo	Town of Benson
Luke Cowley	City of New Bern	Jeff Mahagan (web)	Town of Hillsborough
Mike Graham (web)	Duke Energy	Kelly Landry	Hazen & Sawyer
Martin Lebo (web)	WSP, Inc. (web)	David Hill (web)	DWR
Brian Pridgen	Contentnea MSD	Ben Overton	City of Kinston
Ray Burgos (web)	CovationBio	Adam Stephenson	Town of Fuquay-Varina
Adam Waters (web)	TPBA	Hope Woolard (web)	TPBA
Haywood Phthisic	LNBA/NRCA		

The Chair, Chuck Smithwick, called the meeting to order and welcomed everyone. The roll was called and there were 13 of 19 members (quorum present) representing the LNBA and 16 of 24 members (quorum present) representing the NRCA. The Chair welcomed the Board members and guests.

Board Minutes – The Board Minutes for the February 5, 2026 meeting were presented. Being no revisions, Jimmy Pridgen made the motion to approve, seconded by Robert Sherman, and approved by the Boards.

LNBA/NRCA Financials – Treasurer's Reports – Jonathan presented the Treasurer's Report for the period of February, March, and April, 2026 to the Boards. As of April 30th, the LNBA account balance is \$285,553.92 and NRCA account balance is \$398,158.61. Following discussion, Reggie Hicks made the motion to approve as presented, seconded by Jimmy Pridgen, and approved, respectively, by the Boards.

FY 2026-27 Contract Renewals – Haywood presented the annual contracts for renewal for the upcoming fiscal year. The LNBA and NRCA agreement with Sauber Water Quality Consulting is requested to be renewed for a period of 12 months from the end of the current agreements. The website maintenance agreement with River Delts Consulting is requested to be renewed for an additional 12 months. There is no change in the terms of either agreement (just time extension). Following discussion, Corrie Bondor (Cary) made the motion to approve the agreements as requested and seconded by Brian Pridgen (CMSD) and approved by the Boards, respectively.

Guest Speaker – City of Burlington's Success Controlling PFAS and 1-4 Dioxane, Dr. Kelly Landry, Hazen & Sawyer – Dr. Landry presented a case study to the Boards on how the City of Burlington identified and reduced the flow of PFAS and 1-4 dioxane in Burlington's the sewer system. The study can be reviewed at this link: [City of Burlington PFAS Source Identification and Reduction](#)

2026 LNBA/NRCA Operator Training Workshop – The Training Committee announced to annual operator training workshop will be held July 28th in Raleigh and July 30th in Kinston. Registration will begin on or around June 10th (email notification).

NRCA Annual Reports – Haywood reviewed the 2025 NRCA Annual Report noting the group delivered 3.07 mg/L of total nitrogen to the Neuse Estuary. The association also reached 50% of its total nitrogen allocation for the first time since 2003. There were several facilities that had new equipment processes coming on line that contributed the increase in 2025. A summary of each members' end of pipe total nitrogen concentration was also provided. In 2018 several projections of when the association may reach its total nitrogen cap were reviewed once again. A graph illustrating the accomplishments of the association in total nitrogen delivery to the estuary versus average daily flow from the member facilities reviewed.

LNBA Updates –

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Waypoint in February, March, and April, 2026 with the following exceptions listed below:

March 2025

J2230000 - Smith Creek at SR-2045 near Wake Forest – Too shallow to collect sample, parameters only.
J4080000 – Poplar Creek at SR-2049 near Knightdale - Too shallow to collect sample, parameters only.
J7240000 – Toisnot Swamp at SR-1539 near Stantonsburg – Inaccessible due to construction.

April 2025

J2230000 - Smith Creek at SR-2045 near Wake Forest – Too shallow to collect sample, parameters only.

Sampling site J4511000 will be eliminated due to safety issued (traffic) at that site. There is no suitable location downstream to serve as a replacement (before that stream merges with Swift Creek. All sampling reports through February have been received. All invoices have been processed and paid through March, 2026.

Neuse River Basin Modeling Update – The Chair reported to the Board members there was no new information to report. Haywood noted a stake holder meeting may be held in the next few months.

The next Board meeting is scheduled for September 3, 2026 at 10:00 a.m. and the host will be the City of Wilson. With no further business, the meeting was adjourned.

Neuse River Compliance Association®
June 30, 2026 Meeting Minutes
Special Called Meeting (Virtual)

Attending:

Chuck Smithwick (Chair)	Contentnea MSD	Jonathan Bulla (Treas)	Town of Cary
Richard Hamilton	City of Goldsboro	Jimmy Pridgen (V-Chair)	City of Wilson
Lori Avent (Sec)	Town of Apex	Justin Bauer	City of Goldsboro
Reggie Hicks	City of Durham	Scott Smart	City of Raleigh
Corrie Bondar	Town of Cary	Paul Allen	Johnston County
Luke Cowley	City of New Bern	Jeff Mahagan	Town of Hillsborough
Mike Graham	Duke Energy	Zachary Johnson	City of Kinston
Heather Adams	Town of Fuquay-Varina	Phillip Smith	Town of Kenly
Jim Wrenn	Smith Anderson Law	Haywood Phthisic	LNBA/NRCA

The Chair, Chuck Smithwick, called the meeting to order and welcomed everyone. The roll was called and there were 12 of 24 members (quorum present) representing the NRCA. The Chair noted that the purpose of the meeting was to consider an Agreement with WSP, Inc. to review the final version of the draft Neuse Watershed Model.

WSP Inc. was contracted with to review the modeling work as it progressed with DWR's contractor RESPEC, Inc. That work was completed in March, 2025. DWR has been provided revisions to comments submitted by interested parties after the draft review of the model. Haywood contacted Dr. Marty Lebo and asked for a proposal to review the final revision that RESPEC made (based on comments received). The proposal is in the amount of not to exceed \$11,500. Following discussion, Jimmy Pridgen made the motion to approve and authorize the Chair to execute the agreement, seconded by Jeff Mahagan, and approved by the roll call vote with all members present voting yes.

Haywood reminded the members that FY 2026-27 invoices for membership dues have been mailed and you should receive them this week.

The next Board meeting is scheduled for September 3, 2026 at 10:00 a.m. and the host will be the City of Wilson. With no further business, the meeting was adjourned.

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

Treasurer's Report

8/19/2026

LNBA

Balance Forward: (checking per bank statement - 4/30/2026)		Checking	\$	96,127.31
		Savings		189,426.61
Debits:			\$	
	Waypoint Analytical, Inc. (LNBA, Invoices)			24,339.90
	Waypoint Analytical, Inc. (Raleigh, Invoices)			4,333.04
	City of Raleigh Raleigh workshop)			752.37
	Annie Bees Country Cooking (Kinston workshop)			875.00
	River Delta Consulting			960.00
	PCi (Invoices)			5,897.29
	Total Debits		\$	37,157.60
Credits:			\$	
	Interest (checking)			21.34
	Interest (MM acc't, savings)*			1,503.42
	Membership Fees			30,441.07
	Civic Reimbursements			50.00
	Transfer to Savings from Checking Funds			25,000.00
Checking Account Balance (per bank statement - 7/31/2026)		Checking	\$	64,482.12
		Savings		215,930.03
Total LNBA Account Balance			\$	280,412.15

NRCA

Balance Forward: (per bank statement - 4/30/2026)		Checking	\$	91,866.47
		Savings		306,292.14
Debits:			\$	
	PCi (Invoices)			9,825.00
	River Delta Consulting			960.00
	Sauber Water Quality Consulting			-
	Total:		\$	10,785.00
Credits:			\$	
	Transfer from Checking to Savings Acc't			35,000.00
	Interest (MM acc't, savings)*			2,416.77
	Interest (Checking)			21.77
	Membership Fees			17,156.97
Account Balance (per bank statement - 7/31/2026)		Checking	\$	63,260.21
		Savings		343,708.91
Total NRCA Account Balance			\$	406,969.12

Town of Fuquay-Varina - NPDES NC0066516
67,579 lbs/yr {50%}

6.000 mgd

Year 2023	Monthly Q	Reported	Monthly TN	TN	Year 204	Monthly Q	Reported	Monthly TN	TN	Year 2025	Monthly Q	Reported	Monthly TN	TN
	MG	TN Lbs.	Conc. (mg/L)	Lbs.		MG	TN Lbs.	Conc. (mg/L)	Lbs.		MG	TN Lbs.	Conc. (mg/L)	Lbs.
January	45.5	1,172	3.1	1,173	January	50.0	3,228	7.7	3,211	January	46.2	2,803	6.7	2,582
February	43.2	1,066	2.9	1,045	February	42.6	3,736	10.5	3,730	February	44.4	2,249	6.1	2,257
March	44.5	1,210	3.3	1,223	March	47.0	3,834	9.7	3,802	March	48.8	890	2.2	895
April	52.0	1,226	2.8	1,214	April	42.4	3,629	10.2	3,607	April	45.0	2,117	5.6	2,102
May	45.6	1,118	2.9	1,103	May	43.5	2,682	7.4	2,685	May	48.1	2,592	6.5	2,608
June	39.3	1,296	4.0	1,295	June	38.9	2,344	7.2	2,336	June	45.9	2,481	6.5	2,488
July	44.4	1,440	3.9	1,437	July	44.0	2,453	6.7	2,459	July	47.1	2,745	7.0	2,750
August	40.8	2,332	6.9	2,331	August	51.9	2,737	6.3	2,727	August	49.7	3,692	8.9	3,689
September	43.3	2,877	7.9	2,853	September	56.9	3,147	6.6	3,132	September	43.3	3,099	8.6	3,106
October	39.7	2,770	8.3	2,748	October	50.7	3,244	7.7	3,255	October	44.2	3,155	8.6	3,170
November	38.9	2,487	7.7	2,499	November	41.5	2,960	8.5	2,942	November	48.1	3,589	9.0	3,610
December	47.4	2,190	5.5	2,176	December	45.6	3,840	10.1	3,841	December	46.0	2,371	6.2	2,379
Totals	524.600	21,184	59.1	21,096	Totals	555.0	37,834	98.6	37,726	Totals/Ave	556.8	31,783	81.9	31,635
Daily Avg.	1.4		4.9		1.5			8.2			1.5		6.8	
% of TN Allocation				31					55.8					46.8

Year 2023	NO2-NO3	TKN	NH3-	Year 2024	NO2-NO3	TKN	NH3-	Year 2025	NO2-NO3	TKN	NH3-
January	1.642	1,448	<0.1	January	4.973	2,758	0.733	January	4.63	2,045	0.734
February	1.153	1,805	0.015	February	8.374	2,106	1.089	February	4.848	1.23	0.193
March	1.512	1,754	0.248	March	7.850	1,900	0.044	March	0.894	1,292	0.041
April	0.625	2,200	0.374	April	8.240	1,816	0.011	April	3.723	1,923	0.05
May	1.078	1,848	<0.1	May	5.660	1,740	0.011	May	5.178	1.29	0.054
June	2.720	1,236	<0.1	June	5.960	1,268	0.011	June	5.588	1,023	0.087
July	2.775	1,207	<0.1	July	5.284	1,400	0.030	July	5.634	1,362	0.112
August	5.830	1,022	<0.1	August	4.705	1,618	0.910	August	8.233	0.733	0.091
September	7.053	0,920	0.178	September	5.596	1,036	0.014	September	7.576	1,014	0.084
October	6.288	2,056	<0.1	October	6.428	1,248	0.024	October	7.47	1.1	0.038
November	4.580	2,900	0.094	November	7.220	1,335	0.143	November	7.675	1,225	0.078
December	2.823	2,715	0.663	December	8.596	1,502	0.460	December	4.403	1.77	0.126
Avg.	3.173	1,759	0.131	Avg.	6.574	1,644	0.290	Avg.	5.488	1,334	0.141

Neuse River Compliance Association®
P.O. Box 1410
Clayton, N.C. 27528-1410

MEMORANDUM

TO: NRCA Board Members

FROM: Haywood Phthisic, Executive Director

DATE: August 31, 2026

SUBJECT: Town of Fuquay-Varina - Membership Request.

In early July Town of Fuquay-Varina contacted me and inquired about joining the NRCA. I provided them with a membership application and requested three (3) years of Daily Monitoring Reports (monthly reports). I provide Fuquay with the approximate annual cost for their facility. The Town submitted the required membership application package and total nitrogen data. A summary of the total nitrogen discharged from their facility for 2023, 2024, and 2025 is provided. The facility is currently under construction for expansion to 6.0 mgd.

NPDES Permit # NC0066516

Permitted Flow: 3.0 MGD expanding to 6.0 MGD

Nitrogen Allocation: 68,489 lbs. End of Pipe; 34,245 lbs. Estuary; 50% Transport Zone

On August 12, 2026, Chuck Smithwick, Jimmy Pridgen, Jonathan Bulla, and Haywood Phthisic visited the wastewater facilities. Adam Stephenson, the manager of the wastewater facility, and Heather Adams, assistant utility director, gave a tour of the facility, provided additional insight and issues at the facility (as noted above the facility is undergoing an expansion). The group met to discuss the total nitrogen (TN) data that was provided to Haywood and the committee expressed concerns the facility was operating and discharging much higher than a new facility is expected to perform (The 3.0 mgd facility came on line in late 2018 or 2019).

Haywood had additional conversations with Mike Wagner, utility director, regarding concern of the amount of TN discharged would likely be a major concern to the membership in the request for membership. Haywood asked if a probationary period would be agreeable to the Town to demonstrate the facility can meet and achieve 3.5 mg/L of total nitrogen going forward and Mike indicated that would not be a problem. Mike noted their design engineer is reviewing the operations with recommendation forth coming.

The Executive Committee recommends the Board approve the membership request in the NRCA to the Town of Fuquay-Varina with a 36 month probationary period so the facility can demonstrate successful performance of total nitrogen reductions to 3.5 mg/L.

TN Reduction Target = **30%**

	Q95-pmt	TN load-eop
Facility 1	20.0	204,185
Facility 2	3.5	68,680
Facility 3	3.0	57,309
Facility 4	60.0	1,322,203
Facility 5	16.0	259,898
Facility 6	14.0	264,679
Facility 7	16.8	358,840
Facility 8	6.75	97,264
Facility 9	2.85	60,632
Facility 10	4.7	120,251
Facility 11	3.5	68,325
Facility 12	1.9	18,065
TOTAL	153.0	2,900,331

Target TN Load @ estuary =

Equiv TN conc (mg/L) = 4.60				
Sample Calculations w/ 1995 TFs				
TF ₁	TN load-esty	TN alloc-EOP	TN alloc-esty	
10%	20,419	280,030	28,003	
10%	6,868	49,005	4,901	
10%	5,731	42,005	4,200	
50%	661,102	840,090	420,045	
50%	129,949	224,024	112,012	
50%	132,340	196,021	98,011	
70%	251,188	235,225	164,658	
70%	68,085	94,510	66,157	
70%	42,442	39,904	27,933	
100%	120,251	65,807	65,807	
100%	68,325	49,005	49,005	
100%	18,065	26,603	26,603	
TOTAL	1,524,764	2,142,230	1,067,335	

Target TN Load @ estuary =

1,067,335

-

Target @ estuary =

1,477,881

Equiv TN conc (mg/L) = 4.65				
Sample Calculations w/ 2003 TFs				
TF ₂	TN load-esty	TN alloc-EOP	TN alloc-esty	
12%	24,502	283,183	33,982	
12%	8,242	49,557	5,947	
12%	6,877	42,477	5,097	
81%	1,070,984	849,548	688,134	
53%	137,746	226,546	120,069	
77%	203,803	198,228	152,635	
85%	305,014	237,873	202,192	
93%	90,456	95,574	88,884	
94%	56,994	40,354	37,932	
100%	120,251	66,548	66,548	
100%	68,325	49,557	49,557	
100%	18,065	26,902	26,902	
TOTAL	2,111,259	2,166,348	1,477,881	



The we can calculate the Equivalent TN concentration that will achieve the necessary reduction in TN Load delivered to the estuary.

DWR's Scheduled Work Load

1. The Upper Neuse River Basin Association (UNRBA) is in a multi-year discussion with DWR on what Stage II of the Falls Lake Rules will be going forward. This is on a track to finish in late 2028 or 2029. As mention in the DWR presentation the transport factors were not part of the Neuse Watershed Model.
2. The Jordan Lake Rule development is also occurring parallel to the Falls Lake rule developing. This has been ongoing since before covid with a restart 2-3 years ago. This is being developed as a "One Water" concept for Jordan Lake. There are compliance groups that are forming simultaneously. The Cape Fear River has an Upper group, Middle group, and lower group. This is many years in development because of legislative input.
3. The Cape Fear River, as a whole, is in line for development of a nutrient management strategy.
4. High Rock Lake nutrient management strategy is in its development with draft rules being reviewed at this time. The DWR staff person that was leading this effort left DWR in February so there is not much head way made to date. This is schedule for 2029 for getting through the rule making process.
5. The work on the sounds and submerged vegetation has been sitting idle for some time with no completion insight.
6. The Environmental Management Commission (EMC) has hired an executive director to review all materials coming to the EMC and this will complicate the processes moving forward.
7. The N. C. General Assembly passed legislation that requires DWR to review all rules (whether the laws are needed or not) every 10 years and this begins in 2027 with the rules adopted by 2029.
8. SL 2026-41 has directed the N.C Collaboratory to study interbasin transfers of water and report back back January 15, 2028. Information support will most likely be required from DWR.
9. DWR Director, Richard Rogers, has retired as of August 31st.
10. Neuse Watershed Model.

LNBA/NRCA Training Workshop Summary for 2026

The operator workshop training took place on July 28th in Raleigh and July 30th in Kinston.

The Raleigh session had 37 registered attendees with 31 attendees receiving CEU certificates.

The Kinston session had 38 registered attendees with 33 attendees receiving CEU certificates

The certificate registers were submitted to the Certification Administration on August 17th for both sessions and confirmation has been received that the information has been entered. All topic presentations have been posted on the website under the Training tab.

The cost of lunch and snacks in Raleigh was \$752.37 and the cost of lunch and snacks in Kinston was \$1,012.60. The LNBA paid for both sessions this year because the NRCA paid for both sessions last year because of the issue we had with our financial institution and checks could not be processed.

Lower Neuse Basin Association ®

TO: Board Members

FROM: Haywood Phthisic, Executive Director

SUBJECT: Sampling/Monitoring Report for September 3, 2026 Board Meeting

DATE: September 1, 2026

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Waypoint in May, June, July and August, 2026 with the following exceptions listed below:

May 2026

05/04/26 - J6055000 (Mosley Creek Tributary at SR-1327 nr Kinston) - Too shallow to sample; parameters only
05/05/26 - J4080000 (Poplar Creek at SR-2049 nr Knightdale) - Too shallow to sample; parameters only
05/05/26 - J2230000 (Smith Creek at SR-2045 nr Wake Forest) - Too shallow to sample, parameters only
05/05/26 - J4580000 (Swift Creek at SR-1501 (Swift Crk Rd) nr Smithfield) - Too shallow to sample; parameters only
05/21/26 - J5790000 (Buffalo Creek at Lake Glad Rd at Wendell) - Site inaccessible due to road work

June 2026

06/11/26 - J4080000 (Poplar Creek at SR-2049 nr Knightdale) - Too shallow to sample; parameters only
06/11/26 - J2230000 (Smith Creek at SR-2045 nr Wake Forest) - Too shallow to sample, parameters only
06/11/26 - J4115000 (Marks Creek at Neuse River Trail nr Archer Lodge) - Too shallow to sample, parameters only
06/05/26 - J4511000 (White Oak Creek at Hwy 42 nr Clayton) - Removed from sampling list due to safety concerns
06/15/26 - J6250000 (Neuse River at Hwy 55 nr Graingers) - Access blocked due to road work

July 2026

07/01/26 - J6250000 (Neuse River at Hwy 55 nr Graingers) - Access blocked due to road work
07/01/26 - J4511000 (White Oak Creek at Hwy 42 nr Clayton) - Site no longer sampled due to safety concerns
07/02/06 - J6450000 (Little Creek at Hwy 39 at Zebulon) - Too low to sample, parameters only
07/02/26 - J6765000 (Contentnea Creek at Willow Springs Dr. near Dixie) - No access due to road work
07/06/26 - J2230000 (Smith Creek at SR-2045 nr Wake Forest) - Too shallow to sample, parameters only
07/06/26 - J4080000 (Poplar Creek at SR-2049 nr Knightdale) - Too shallow to sample; parameters only
07/31/26 - J4670000 (Middle Creek at Holly Springs Greenway Bridge off Anchor Creek Way) - Access blocked due to road work.

August 2026 (through 8/17)

08/10/26 - J6044500 (Bear Creek at SR-1311 near Kinston) - Too shallow to sample; parameters only
08/10/26 - J6250000 (Neuse River at Hwy 55 nr Graingers) - Access blocked due to road work
08/11/26 - J4670000 (Middle Creek at Holly Springs Greenway Bridge off Anchor Creek Way) - Access blocked due to road work.
08/11/26 - J4511000 (White Oak Creek at Hwy 42 nr Clayton) - Site no longer sampled due to safety concerns
08/11/26 - J2230000 (Smith Creek at SR-2045 nr Wake Forest) - Too shallow to sample, parameters only
08/11/26 - J4080000 (Poplar Creek at SR-2049 nr Knightdale) - Too shallow to sample; parameters only
08/17/26 - J7210000 (Contentnea Creek at Hwy 58 nr Stantonsburg) - No access due to road work

All sampling reports through May 2026. All invoices have been processed and paid through July, 2026.