

AGENDA

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

**September 4, 2025
Wilson, N. C.
10:00 a.m.**

- **Welcome, Roll Call, and Introduction of Guests**
 - * Member Introductions**
- **Approval of Minutes May 1, 2025 (AI) – Chuck, pages 2-4.**
- **LNBA/NRCA Financials –**
 - * February thru July, 2025 Treasurer Reports (AI) – Jonathan, page 5.**
 - * Civic Federal Credit Union Issue - Haywood**
 - * Update on Legal Counsel Search – Chuck, Dan, & Haywood**
- **NRCA Updates -**
 - * NRCA Draft Midyear Report – Haywood, pages 6 & 7.**
 - * NRCA Facility EOP TN Summary – Haywood, page 8.**
- **LNBA Updates -**
 - * Sampling Report – May, June, and July, 2025 – Haywood, page 9.**
- **Draft Neuse Watershed Model Update – Chuck, Dan, & Haywood,**
 - * Presentation on the Effect of Draft Transport Factors - pages 10, 11, 12, & 13.**
- **Tar Pamlico Proposed Rules Update – Dan & Haywood**
- **LNBA/NRCA Training Workshop Summary – Haywood**
- **Member Reports -**
- **Next Meeting and Adjourn – November 6, 2025, Cary, N. C.**

Action Items (AI)

Lower Neuse Basin Association®/Neuse River Compliance Association®
May 1, 2025 Meeting Minutes
Contentnea MSD, Grifton, N. C.

Attending:

Chuck Smithwick (Chair)	Contentnea MSD	Jonathan Bulla (Sec)	Town of Cary
Corrie Bondor	Town of Cary	Anthony Futrell	CWS, N.C.
Dan McLawhorn	McLawhorn Legal	Ray Burgos	CovationBio
Reggie Hicks	City of Durham	Scott Smart	City of Raleigh
Joshua Baird	Town of Clayton	Adam Stephenson	Town of Fuquay-Varina
William Beattie	Town of Apex	James Blalock	Town of Clayton
Laura Pruitt	City of Wilson	Ron Boquist	Waypoint Anal.
Brian Pridgen	Contentnea MSD	Haywood Phthisic	LNBA/NRCA

The Chair, Chuck Smithwick, called the meeting to order and welcomed everyone. The roll was called and there were 9 of 19 members (47%) present representing the LNBA and 10 of 24 members (46%) present representing the NRCA. There was not a 50% quorum of members present but there was greater than 40% of the membership present allowing business to be conducted and voted on at a later meeting or by electronic vote. The Chair welcomed the Board members and guests.

Board Minutes – The Board Minutes for the February 6, 2025 meeting were presented. Being no revisions, Bert Sherman made the motion to approve, seconded by Corrie Bondor. An electronic ballot was emailed to the membership on May 5, 2025 (9:45 a.m.) to approve February 6, 2025 Board Minutes. 12 voted to approved the minutes for the LNBA and 15 voted to approve the minutes for the NRCA (unanimous for votes cast).

Officer Election – The Chair presented a list (from the Executive Director) of those members willing to serve as officers for the next two years. For Chair, Chuck Smithwick (CMSD); for Vice Chair Jimmy Pridgen (Wilson); for Treasurer, Jonathan Bulla (Cary); and for Secretary, Lori Avent (Apex). The Chair asked if there were any other nominations from the floor and, being none, ask for a motion to close the nominations and motion to accept those presented. Laura Pruitt from Wilson made the motion to close and accept the members presented and seconded by Reginald Hicks (Durham). An electronic ballot was emailed to the membership on May 5, 2025 (9:45 a.m.) to approve the officers as nominated. 12 voted to approved the officers for the LNBA and 16 voted to approve the officers for the NRCA (unanimous for votes cast).

LNBA/NRCA Financials – Treasurer's Reports – Haywood presented the Treasurer's Report for the period of February, March, and April, 2025 to the Boards. As of April 30th, the LNBA account balance is \$266,771.69 and NRCA account balance is \$365,128.64. Action was deferred on approving the Treasurer's Report until the next meeting.

Annual Contract Agreements – Haywood presented the annual contracts for renewal for the upcoming fiscal year. The NRCA agreement with McLawhorn Law is requested to be renewed until December 31, 2025 as Dan has indicated he will stop practicing law at the need of the year. The agreement with Sauber Water Quality Consulting (LNBA and NRCA) is requested to be renewed for a period of 12 months from the end of the current agreements. Following discussion, Laura Pruitt (Wilson) made the motion to approve the agreements as requested and seconded by Bert Sherman (Goldsboro). An electronic ballot was emailed to the membership on May 5, 2025 (9:45 a.m.) to approve the contract extensions as requested. 12 voted to

approved the agreements for the LNBA and 16 voted to approve the agreements for the NRCA (unanimous for votes cast).

Financial Software for LNBA/NRCA, QuickBooks – Haywood reported the Intuit, the company that produces QuickBooks software, has continued to increase the price of the software. To continue using this software the price has increased to \$999.00 plus tax for the next 12 months. Haywood recommended to continue with QuickBooks but asked to amend his agreement to reimburse Phthisic Consulting, Inc. for this cost because of the increases that have occurred in the past two years. Following discussion, William Beattie (Apex) made the motion to approve amending this agreement and seconded by Bert Sherman (Goldsboro). An electronic ballot was emailed to the membership on May 5, 2025 (9:45 a.m.) to approve the amendment to the PCi contract requested. 12 voted to approved the agreements for the LNBA and 16 voted to approve the agreements for the NRCA (unanimous for votes cast).

Neuse River Basin Modeling Update – The Chair opened the discussion on the draft Neuse River Watershed Model and noted the table in the agenda package that illustrates how the draft transport factors could affect the end of pipe nitrogen allocations if implemented. The positive effect would be an increase in end of pipe discharges in the upper portions of the watershed but a decrease for discharges in the middle portions of the basin. Haywood noted that the draft model, if nothing else, proved that the existing transport factors adopted in 1997-98 as part of the Neuse Management Strategy were, and are, very close to correct.

Tar Pamlico Proposed Rules Conflicts and Proposed Comments – Dan noted that the proposed rules for the Tar Pamlico Basin (for those wastewater facilities) has been modified so not to conflict with the Neuse Rules for wastewater facilities.

NRCA Updates -

NRCA Permit – Haywood reported the NRCA NPDES permit has been issued with the modification requested.

NRCA Annual Report – Haywood noted the 2024 NRCA Annual Report was timely submitted to DWR (as required by the NRCA permit) on March 31st. The estuary delivery was 2.64 mg/L for 2024.

Falls Lake Facilities – Haywood noted that 3 of the NRCA's member are in Falls Lake and are currently having the Fall Lake Rules being drafted. Haywood noted that these members can not meet their limits (TN lbs.) when they reach there permitted flow (see illustration in agenda package).

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 with the exceptions listed below:

February 2025

2/02/25 - J4690000 (Middle Creek at SR-1152 near Holly Springs) - Site inaccessible due: no safe parking.

March 2025

3/06/25 - J4690000 (Middle Creek at SR-1152 near Holly Springs) - Site inaccessible due: no safe parking.

April 2025

04/09/25- J4690000 (Middle Creek at SR-1152 near Holly Springs) - Site inaccessible due: no safe parking. A new site was approved, J4670000. (Middle Creek at SR-1152 near Holly Springs off of Anchor Creek Way), was sampled in April.

All invoices have been processed and paid through March, 2025.

LNBA Annual Report – Haywood reported the LNBA annual report was prepared and submitted in April as required.

LNBA/NRCA Training Workshop – Haywood reported the dates for the annual training workshop have been set: July 29th in Kinston and July 31st in Raleigh. Registration information will be emailed the first week or so in June.

The next meeting is scheduled for September 4, 2025 at 10:00 hosted by City of Wilson in Wilson, N. C. With no further business, the meeting was adjourned.

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

Treasurer's Report

9/2/2025

LNBA

Balance Forward: (checking per bank statement - 4/30/2025)		Checking	\$	83,406.28
		Savings		183,829.07
Debits:	Waypoint Analytical, Inc. (LNBA, Invoices)		\$	24,339.90
	Waypoint Analytical, Inc. (Raleigh, Invoices)			6,014.58
	River Delta Consulting			-
	PCi (Invoices)			6,185.73
	Total Debits		\$	36,540.21
Credits:	Interest (checking)		\$	55.64
	Interest (MM acc't, savings)*			1,867.56
	Civic Reimbursements			70.00
	LNBA Membership Fees			154,051.57
Checking Account Balance (per bank statement - 8/31/2025)		Checking	\$	201,043.28
		Savings		185,696.64
Total LNBA Account Balance			\$	386,739.92

NRCA

Balance Forward: (per bank statement -4/30/2025)		Checking	\$	68,628.55
		Savings		297,240.83
Debits:	PCi (Invoices)		\$	9,276.00
	Annie Bee's Country Cooking (Kinston workshop)			840.93
	River Delta Consulting			960.00
	City of Raleigh (workshop food)			892.03
	City of Kinston (workshop snacks)			81.42
	Bank Charge			754.18
	McLawhorn Law Office			1,900.00
	Total:		\$	14,704.56
Credits:	Transfer from Checking to Savings Acc't		\$	-
	Interest (MM acc't, savings)*			3,019.88
	Interest (Checking)			42.52
	NRCA Membership Fees			74,328.74
Account Balance (per bank statement - 8/31/2025)		Checking	\$	128,295.25
		Savings		300,260.71
Total NRCA Account Balance			\$	428,555.96

NEUSE RIVER COMPLIANCE ASSOCIATION - *Draft* Total Nitrogen Mid Year Report for 2025

August 25, 2025

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NPDES Permit #: NCC000001		END OF PIPE				ESTUARY					
FACILITY	NPDES Permit #	Permit Flow (MGD)	2024-25 Avg. Flow (MGD)	Member TN Allocation (Lbs/Yr.)	Member TN Discharge (Lbs/Yr.)	Transport Zone	Annual Lease Amount	Member Estuary Allocation	Adjusted TN Allocation 2024 (Lbs/Yr.)	2025 Delivery (Lbs/Yr.)	% of Estuary Allocation
City of Durham	NC0023841	20.000	6.028	97,655	45,024	10%	0	9,767	0	4,502	46
Town of Hillsborough	NC0026433	3.000	1.118	10,422	6,875	10%	0	1,042	0	688	66
SGWASA	NC0026824	5.500	6.285	22,420	41,194	10%	0	5,860	0	4,119	70
Town of Apex	NC0064050	3.600	1.161	40,547	15,858	50%	0	20,274	0	7,929	39
Town of Benson	NC0020389	1.900	1.112	33,070	10,012	50%	0	16,535	0	5,006	30
Town of Cary ~ North	NC0048879	12.000	6.406	143,246	60,649	50%	0	71,623	0	30,324	42
Town of Cary ~ South	NC0065102	12.800	5.930	180,211	45,271	50%	0	90,105	0	22,636	25
City of Raleigh ~ Smith Creek	NC0030759	3.000	2.559	70,814	43,090	50%	0	35,407	0	21,545	61
City of Raleigh ~ Neuse	NC0029033	75.000	50.672	687,373	415,160	50%	0	341,242	0	207,580	69
Raleigh ~ Ground Water	NA	NA	NA	NA	56,334	50%		NA		28,167	
City of Raleigh ~ Little Creek	NC0079316	2.200	1.211	26,660	9,748	50%	0	13,330	0	4,874	37
Town of Clayton	NC0025453	2.500	1.474	22,832	14,070	50%	0	11,416	0	7,035	62
Neuse Colony, (Aqua NC)	NC0064564	0.350	0.264	8,447	8,209	50%	0	4,224	0	4,104	97
Johnston County ~ Pipe 001	NC0030716	9.500	3.266	93,477	19,828	50%	0	46,739	0	21,799	47
Johnston County ~ Pipe 002		4.000	2.890		23,769	50%					
Town of Kenly	NC0064891	0.630	0.390	7,096	5,056	50%	0	3,548	0	2,528	71
Town of Farmville	NC0029572	3.500	1.254	42,211	5,612	50%	0	21,106	0	2,806	13
Town of Snow Hill	NC0020842	0.500	0.233	5,632	3,501	50%	0	2,747	0	1,751	64
City of Wilson	NC0023906	14.000	8.815	157,886	58,388	50%	0	78,943	0	29,194	37
Duke Energy ~ H F Lee Plant	NC0003417	NA	0.137	3,260	137	70%	0	2,282	0	96	4
City of Goldsboro	NC0023949	14.200	8.418	199,822	110,801	70%	0	139,876	0	77,561	55
Town of LaGrange	NC0021644	0.750	0.418	8,447	7,435	70%	0	5,913	0	5,205	88
City of Kinston (Regional)	NC0024236	11.850	5.375	126,711	80,997	70%	0	88,697	0	56,698	64
Contentnea MSD	NC0032077	3.500	2.112	37,100	14,505	70%	0	25,970	0	10,153	39
CovationBio, Inc.	NC0003760	3.600	0.312	25,493	2,501	70%	0	17,845	0	1,751	10
City of New Bern	NC0025348	6.500	4.292	64,210	63,599	100%	0	64,210	0	63,599	99
MCAS Cherry Point	NC0003816	3.500	1.490	39,421	20,661	100%	0	39,421	0	20,661	52
City of Havelock	NC0021253	2.250	1.188	21,400	19,384	100%	0	21,400	0	19,384	91
Craven County	NC0089460	0.860	0.863	NA	3,876	100%	0	0	0	3,876	100
CWS Systems, Inc.	NC0033111	0.600	0.345	11,263	8,964	100%	0	11,263	0	8,964	80
		221.590	126.019		1,220,507			1,188,503		674,533	

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.

9.

Chuck Smithwick, Chairman, Neuse River Compliance Association

Date

NOTES: 1. Average Total Nitrogen Concentration End of Pipe by NRCA Members during 2024-25 (midyear):

3.07

MG/L

2. Average Total Nitrogen Concentration with ground water contribution in 2024-25 (midyear):

3.23

MG/L

3. NRCA's Midyear Report Prepared By: Haywood M. Phthistic, III, Executive Director

NRCA - Draft Total Nitrogen Mid Year Report for 2025

August 25, 2025

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FACILITY	Total Q (MG)	EOP Total Nitrogen (Lbs)	EOP Avg Conc. (mg/L)	Avg Q (MGD)
City of Durham	2,200.375	45,024	2.45	6.028
Town of Hillsborough	408.066	6,875	2.02	1.118
SGWASA	2,293.924	41,194	2.15	6.285
Town of Apex	423.767	15,858	4.49	1.161
Town of Benson	405.867	10,012	2.96	1.112
Town of Cary ~ North	2,338.100	60,649	3.11	6.406
Town of Cary ~ South	2,164.321	45,271	2.51	5.930
City of Raleigh ~ Smith Creek	933.974	43,090	5.53	2.559
City of Raleigh ~ Neuse	18,495.398	415,160	2.69	50.672
Raleigh ~ Ground Water		56,334		
City of Raleigh ~ Little Creek	441.893	9,748	2.65	1.211
Town of Clayton	538.114	14,070	3.14	1.474
Neuse Colony (Aqua NC)	96.367	8,209	10.21	0.264
Johnston County ~ Pipe 001	1,192.048	19,828	1.99	3.266
Johnston County ~ Pipe 002	1,054.770	23,769	2.70	2.890
Town of Kenly	142.169	5,056	4.26	0.390
Town of Farmville	457.743	5,612	1.47	1.254
Town of Snow Hill	85.204	3,501	4.93	0.233
City of Wilson	3,217.500	58,388	2.18	8.815
Duke Energy ~ H F Lee Plant	50.130	137	0.33	0.137
City of Goldsboro ~ Pipe 01	3,072.620	110,800	4.32	8.418
City of Goldsboro ~ Pipe 02	0.000	0	0.00	0.000
Town of LaGrange	152.644	7,435	5.84	0.418
City of Kinston (Regional)	1,962.029	80,997	4.95	5.375
Contentnea MSD	771.021	14,505	2.26	2.112
CovationBio, Inc.	113.988	2,501	2.63	0.312
City of New Bern	1,566.612	63,599	4.87	4.292
MCAS Cherry Point	543.790	20,661	4.56	1.490
City of Havelock	433.565	19,384	5.36	1.188
Craven County	314.983	3,876	1.48	0.863
CWS Systems, Inc.	125.900	8,964	8.54	0.345
Operating Totals	43,388.441	1,112,273	3.07	118.872
Association Totals	43,388.441	1,168,607	3.23	118.872

NEUSE RIVER COMPLIANCE ASSOCIATION
End of Pipe Total Nitrogen Concentration Report 2006 - 2025

Date: June 11, 2025

FACILITY	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Basin Transport Zone
City of Durham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Town of Hillsborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SGWASA	6.01	7.01	11.81	7.98	3.69	4.72	4.56	4.53	4.25	9.19	2.29	2.67	2.03	1.79	2.30	2.32	2.18	2.54	2.55	10%
Town of Apex	4.53	3.99	3.99	4.51	3.93	4.63	4.29	4.4	5.21	3.99	3.75	3.53	3.45	3.56	3.48	4.15	4.20	4.48	4.71	-
Town of Benson	4.49	3.55	5.93	5.47	6.59	4.27	4.15	9.12	6.12	3.94	3.31	3.10	3.27	3.03	2.89	4.58	4.16	3.30	2.95	-
Town of Cary ~ North	3.66	3.51	3.97	4.07	3.00	2.47	2.14	1.92	2.28	2.1	2.26	2.16	2.03	1.97	1.94	2.32	1.81	1.88	2.92	-
Town of Cary ~ South	2.55	2.05	2.13	2.08	1.98	1.96	1.85	2.16	2.21	2.07	2.10	2.32	2.10	2.00	1.73	1.62	1.67	1.65	1.88	-
City of Raleigh ~ Smith Creek	2.60	3.36	3.26	5.49	4.94	3.01	2.65	3.41	3.81	3.36	3.63	4.10	5.64	5.32	5.05	4.43	4.88	4.95	5.27	-
City of Raleigh ~ Neuse	2.50	2.02	2.38	2.15	2.48	2.09	2.04	1.95	2.13	2.71	3.00	2.29	2.12	1.78	1.70	1.88	2.25	2.28	2.04	-
City of Raleigh ~ Little Creek	4.81	3.52	2.78	2.07	3.10	2.23	1.65	2.64	2.32	1.81	1.79	2.02	1.71	2.06	2.04	2.64	2.55	1.94	1.56	50%
Town of Clayton	3.36	4.28	4.30	4.03	4.11	4.46	4.15	3.82	3.88	4.14	4.65	4.27	4.08	3.35	3.77	4.53	4.97	4.65	2.95	-
Neuse Colony (Aqua NC)	21.31	14.70	31.70	19.07	19.96	15.18	10.78	12.05	20.07	11.5	8.96	9.24	9.90	13.70	9.00	9.56	11.12	7.72	8.56	-
Johnston County	2.12	2.72	2.65	1.80	1.50	1.83	4.97	3.95	3.04	3.08	3.58	3.03	3.72	2.41	2.02	2.38	2.15	2.40	2.28	-
Town of Kenly	9.18	5.90	9.75	9.53	9.90	4.85	2.08	2.23	2.87	3.18	2.51	6.05*	7.11	6.23	6.90	4.69	4.91	5.52	4.62	-
Town of Farmville	2.73	3.32	4.92	3.72	4.00	5.89	4.56	4.63	3.03	1.53	1.22	1.09	0.90	1.38	1.19	0.91	1.05	1.46	1.54	-
Town of Snow Hill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.85	3.66	5.17
City of Wilson	3.40	4.61	5.39	3.51	3.18	2.76	2.13	1.93	2.29	2.74	2.26	2.17	2.00	1.94	2.28	2.33	2.35	1.95	2.12	-
Duke Energy Progress, Lee Plant	-	-	-	1.43	0.88	0.62	0.46	-	-	-	0.00	0.42	0.33	0.25	0.31	0.32	0.85	0.38	0.26	-
City of Goldsboro ~ Pipe 01	3.42	2.90	3.29	3.97	3.63	6.07	5.28	3.24	2.78	3.58	2.34	2.46	2.88	2.68	3.25	3.37	2.63	2.20	3.69	-
City of Goldsboro ~ Pipe 02	1.85	1.12	1.71	1.69	1.86	3.26	3.96	1.55	1.65	1.81	1.48	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-
Town of LaGrange	3.45	3.38	4.76	4.36	4.35	5.25	4.11	4.08	5.15	4.43	4.46	4.25	5.40	4.71	4.93	3.45	3.99	4.16	5.30	-
City of Kinston (Regional)	5.26 / 9.19	4.43 / 3.41	3.23	1.80	2.14	3.09	3.21	3.08	1.84	2.36	2.43	2.11	2.38	2.65	2.24	3.51	1.70	2.34	3.25	-
Contentnea MSD	4.53	4.97	6.14	6.78	8.27	2.91	1.61	1.96	1.68	1.32	1.59	1.57	1.96	1.83	1.28	1.07	1.36	1.79	1.90	-
CovationBio, Inc.	7.72	7.08	5.99	3.13	1.85	1.90	1.87	2.03	4.04	3.19	1.47	1.70	1.55	2.19	1.35	2.14	2.52	4.91	3.39	-
City of New Bern	3.12	4.03	4.31	5.53	5.25	4.01	5.01	3.03	6.35	5.86	4.68	2.88	2.74	3.98	2.91	4.96	3.65	3.85	4.69	-
MCAS Cherry Point	3.68	3.30	2.18	2.15	2.62	3.42	3.70	3.49	3.74	3.49	4.16	5.40	4.69	4.67	4.48	3.89	4.13	5.39	4.45	-
City of Havelock	-	-	-	-	-	-	3.90	4.23	3.93	4.15	3.82	3.24	5.31	4.06	3.23	3.45	3.56	3.57	6.67	-
Craven County	-	-	-	-	-	-	-	-	-	-	-	0.89	2.00	1.92	1.94	1.46	1.38	1.43	1.50	-
CWS Systems, Inc.	-	-	-	-	-	-	-	-	-	-	-	17.28	13.15	14.01	17.84	19.89	12.94	17.23	11.66	-
Average TN Conc.	3.21	2.98	3.41	3.02	2.98	2.85	2.80	2.62	2.71	3.03	2.86	2.21	2.54	2.33	2.29	2.50	2.44	2.51	2.64	-

(*) Data not reported for 2 months

(-) Prior to membership in NRCA

Lower Neuse Basin Association ®

TO: Board Members

FROM: Haywood Phthisic, Executive Director

SUBJECT: Sampling/Monitoring Report for September 4, 2025 Board Meeting

DATE: September 02, 2025

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Waypoint Analytical. All sampling was completed by Waypoint in May, June, and July, 2025 with no exceptions.

All invoices have been processed and paid through July, 2025.

Current TN Allocation & Transport Factor			
NRCA Member	Transport Factor	Estuary Allocation	EOP Allocation
Apex	0.5	20,274	40,548
Benson	0.5	16,535	33,070
Cary - North	0.5	71,623	143,246
Cary - South	0.5	90,105	180,210
Raleigh - SC	0.5	35,407	70,814
Raleigh - NR	0.5	356,687	713,374
Raleigh - LC	0.5	13,330	26,660
Clayton	0.5	13,318	26,636
Neuse Colony	0.5	4,224	8,448
JoCo	0.5	36,738	73,476
Kenly	0.5	3,548	7,096
Farmville	0.5	21,106	42,212
Snow Hill	0.5	2,816	5,632
Wilson	0.5	78,943	157,886
Duke Energy	0.7	2,282	3,260
Goldsboro	0.7	139,876	199,823
La Grange	0.7	5,913	8,447
Kinston	0.7	88,697	126,710
Contentnea MSD	0.7	25,970	37,100
Covation Bio	0.7	17,845	25,493
New Bern	1	64,210	64,210
Cherry Point	1	39,421	39,421
Havelock	1	21,400	21,400
CWS	1	11,263	11,263
		1,181,531	2,066,435

Neuse Watershed Model New Transport Factor & EOP Total Nitrogen w/ no Change in Estuary Allocation.					
Model HSPF Reach	Transport Factor	Estuary Allocation	(New) EOP Allocation	Net Allocation Change	Percent Change
171	0.353	20,274	57,433	16,885	42%
253	0.412	16,535	40,133	7,063	21%
33	0.344	71,623	208,206	64,960	45%
173	0.384	90,105	234,648	54,438	30%
10	0.405	35,407	87,425	16,611	23%
110	0.462	356,687	772,050	58,676	8%
531	0.237	13,330	56,245	29,585	111%
130	0.475	13,318	28,038	1,402	5%
150	0.480	4,224	8,800	352	4%
210	0.529	36,738	69,448	-4,028	-5%
329	0.525	3,548	6,758	-338	-5%
613	0.669	21,106	31,549	-10,663	-25%
595	0.657	2,816	4,286	-1,346	-24%
553	0.516	78,943	152,990	-4,896	-3%
310	0.628	2,282	3,634	374	11%
350	0.620	139,876	225,606	25,784	13%
451	0.608	5,913	9,725	1,278	15%
510	0.767	88,697	115,641	-11,069	-9%
619	0.760	25,970	34,171	-2,929	-8%
530	0.790	17,845	22,589	-2,904	-11%
717	0.981	64,210	65,454	1,244	2%
761	0.887	39,421	44,443	5,022	13%
761	0.887	21,400	24,126	2,726	13%
779	0.995	11,263	11,320	57	1%
		1,181,531	2,314,719	248,284	

249,973

27,436

9,049

286,457

-21,271

-16,902

-38,173

248,284

12%

NEUSE RIVER COMPLIANCE ASSOCIATION
Total Nitrogen Monitoring Report for 2024

Date: March 28, 2025

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NPDES Permit #: NCC00001		END OF PIPE				ESTUARY						
FACILITY	NPDES Permit #	Permit Flow (MGD)	2024 Avg. Flow (MGD)	Member TN Allocation (Lbs/Yr.)	Member TN Discharge (Lbs/Yr.)	Transport Factor	2024 Lease (Estuary Lbs.)	Member Estuary Allocation	Adjusted TN Allocation 2024 (Lbs/Yr.)	2024 TN Delivery (Lbs/Yr.)	% of Estuary Allocation	
SGWASA	NC0026824	5.500	1.621	22,420	12,613	10%	0	2,242	0	1,261	56	
	Town of Hillsborough	3.000	1.175	10,422	6,684	10%	0	1,042	0	668	64	
	City of Durham	20.000	10.666	97,665	83,879	10%	0	9,767	0	8,388	86	
Town of Apex	NC0064050	3.600	1.179	40,547	16,942	50%	0	20,274	0	8,471	42	
	Town of Benson	1.900	1.093	33,070	9,852	50%	0	16,535	0	4,926	30	
	Town of Cary ~ North	12.000	6.363	143,246	56,805	50%	0	71,623	0	28,403	40	
	Town of Cary ~ South	12.800	6.320	180,211	36,193	50%	0	90,105	0	18,096	20	
	City of Raleigh ~ Smith Creek	3.000	2.532	70,814	40,695	50%	0	35,407	0	20,347	57	
	City of Raleigh ~ Neuse	75.000	49.623	713,373	309,340	50%	0	356,687	0	154,670	51	
	Raleigh ~ Ground Water	NA	NA	NA	56,928	50%	0	NA	0	28,464		
	City of Raleigh ~ Little Creek	NC0079316	2.200	1.058	26,660	5,033	50%	0	13,330	0	2,516	19
	Town of Clayton	NC0025453	2.500	1.561	26,636	14,080	50%	0	13,318	0	7,040	53
	Neuse Colony, (Aqua NC)	NC0064564	0.350	0.272	8,447	7,101	50%	0	4,224	0	3,551	84
	Johnston County	NC0030716	9.500	4.629	73,476	32,266	50%	0	36,738	0	16,133	44
	Town of Kenly	NC0064891	0.630	0.385	7,096	5,424	50%	0	3,548	0	2,712	76
	Town of Farmville	NC0029572	3.500	1.149	42,211	5,398	50%	0	21,106	0	2,699	13
	Town of Snow Hill	NC0020842	0.500	0.230	5,632	3,635	50%	0	2,816	0	1,817	65
	City of Wilson	NC0023906	14.000	8.527	157,886	55,237	50%	0	78,943	0	27,619	35
	Duke Energy ~ Lee Facility	NC0003417	10.160	0.163	3,260	128	70%	0	2,282	0	90	4
City of Goldsboro ~ Pipe 01	NC0023949	14.200	8.764	199,822	98,598	70%	0	139,876	0	69,019	49	
City of Goldsboro ~ Pipe 02												
Town of LaGrange	NC0021644	0.750	0.434	8,447	7,029	70%	0	5,913	0	4,920	83	
City of Kinston (Regional)	NC0024236	11.850	5.030	126,711	49,919	70%	0	88,697	0	34,943	39	
Contentnea MSD	NC0032077	3.500	1.888	37,100	10,927	70%	11,000	25,970	14,970	7,649	51	
CovationBio, Inc.	NC0003760	3.600	0.315	25,493	3,250	70%	0	17,845	0	2,275	13	
City of New Bern	NC0025348	6.500	4.412	64,210	63,219	100%	0	64,210	0	63,219	98	
MCAS Cherry Point	NC0003816	3.500	1.462	39,421	19,876	100%	0	39,421	0	19,876	50	
City of Havelock	NC0021253	2.250	1.248	21,400	25,391	100%	6,000	21,400	27,400	25,391	93	
Craven County	NC0084460	0.000	0.879	0	4,022	100%	4,500	0	4,500	4,022	89	
Carolina Water Service, Inc.	NC0033111	0.600	0.303	11,263	10,780	100%	500	11,263	11,763	10,780	92	
		226.890	123.280							579,966	46.4	

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

 Date

- NOTES: 1. Average Total Nitrogen Concentration End of Pipe by NRCA Members during 2024:
2. Average Total Nitrogen Concentration with ground water contribution in 2024:
3. NRCA's Annual Report Prepared By: Haywood M. Phithisic, III, Executive Director
4. Monthly discharge adjusted as required by the individual permit

2.64 mg/L
2.79 mg/L

NEUSE RIVER COMPLIANCE ASSOCIATION

Total Nitrogen Annual Report with Draft Transport Factors for 2024

Date: June 11, 2025

Page 1 of 5

NPDES Permit #: NCC000001		END OF PIPE				ESTUARY					
FACILITY	NPDES Permit #	Permit Flow (MGD)	2024 Avg. Flow (MGD)	Member EOP TN Allocation (Lbs/Yr.)	Member TN Discharge (Lbs/Yr.)	Transport Factor	2024 Lease (Estuary Lbs.)	Member Estuary Allocation	Adjusted TN Allocation (Lbs/Yr.)	2024 TN Delivery (Lbs/Yr.)	% of Estuary Allocation
SGWASA	NC0026824	5.500	1.621	22,420	12,613	10%	0	2,242	0	1,261	56
Town of Hillsborough	NC0026433	3.000	1.175	10,422	6,684	10%	0	1,042	0	668	64
City of Durham	NC0023841	20.000	10.666	97,665	83,879	10%	0	9,767	0	8,388	86
Town of Apex	NC0064050	3.600	1.179	40,547	16,942	35.3%	0	20,274	0	5,981	29
Town of Benson	NC0020389	1.900	1.093	33,070	9,852	41.2%	0	16,535	0	4,059	25
Town of Cary ~ North	NC0048879	12.000	6.363	143,246	56,805	34.4%	0	71,623	0	19,541	27
Town of Cary ~ South	NC0065102	12.800	6.320	180,211	36,193	40.5%	0	90,105	0	14,658	16
City of Raleigh ~ Smith Creek	NC0030759	3.000	2.532	70,814	40,695	40.5%	0	35,407	0	16,481	47
City of Raleigh ~ Neuse	NC0029033	75.000	49.623	713,373	309,340	46.2%	0	356,687	0	142,915	47
Raleigh ~ Ground Water	NA	NA	NA	NA	56,928	46.2%		NA		26,301	
City of Raleigh ~ Little Creek	NC0079316	2.200	1.058	26,660	5,033	23.7%	0	13,330	0	1,193	9
Town of Clayton	NC0025453	2.500	1.561	26,660	14,080	47.5%	0	13,318	0	6,688	50
Neuse Colony, (Aqua NC)	NC0064564	0.350	0.272	8,447	7,101	48.0%	0	4,224	0	3,409	81
Johnston County	NC0030716	9.500	4.629	73,476	32,266	52.9%	0	36,738	0	17,069	46
Town of Kenly	NC0064891	0.630	0.385	7,096	5,424	52.5%	0	3,548	0	2,847	80
Town of Farmville	NC0029572	3.500	1.149	42,211	5,398	66.9%	0	21,106	0	3,611	17
Town of Snow Hill	NC0020842	0.500	0.230	5,632	3,635	65.7%	0	2,816	0	2,388	85
City of Wilson	NC0023906	14.000	8.527	157,886	55,237	51.6%	0	78,943	0	28,502	36
Duke Energy ~ Lee Facility	NC0003417	10.160	0.163	3,260	128	62.8%	0	2,282	0	81	4
City of Goldsboro ~ Pipe 01	NC0023949	14.200	8.764	199,822	98,598	62.0%	0	139,876	0	61,131	44
City of Goldsboro ~ Pipe 02											
Town of LaGrange	NC0021644	0.750	0.434	8,447	7,029	60.8%	0	5,913	0	4,274	72
City of Kingston (Regional)	NC0024236	11.850	5.030	126,711	49,919	76.7%	0	88,697	0	38,288	43
Contentnea MSD	NC0032077	3.500	1.888	37,100	10,927	76.0%	11,000	25,970	14,970	8,304	55
CovationBio, Inc.	NC0003760	3.600	0.315	25,493	3,250	79.0%	0	17,845	0	2,567	14
City of New Bern	NC0025348	6.500	4.412	64,210	63,219	98.1%	0	64,210	0	62,018	97
MCAS Cherry Point	NC0003816	3.500	1.462	39,421	19,876	88.7%	0	39,421	0	17,630	45
City of Havelock	NC0021253	2.250	1.248	21,400	25,391	88.7%	6,000	21,400	27,400	22,522	82
Craven County	NC0084460	0.000	0.879	0	4,022	88.7%	4,500	0	4,500	3,567	79
Carolina Water Service, Inc.	NC0033111	0.600	0.303	11,263	10,780	99.5%	500	11,263	11,763	10,726	91
		226.890	123.280					1,194,582		537,069	46.4

Member Facility	NPDES #	Transport Factor	EOP TN Allocation	New EOP TN Allocation	Net EOP TN Change	Estuary TN Allocation	Estuary TN Required	New Estuary TN Allocation	Comments
SGWASA	NC0026824	10.0%	22,420	22,420	0	2,242			
Town of Hillsborough	NC0026433	10.0%	10,422	10,422	0	1,042			
City of Durham	NC0023841	10.0%	97,665	97,665	0	9,767			
Town of Apex	NC0064050	35.3%	40,547	57,433	16,886	20,274			
Town of Benson	NC0020389	41.2%	33,070	40,133	7,063	16,535			
Town of Cary ~ North	NC0048879	34.4%	143,246	208,206	64,960	71,623			
Town of Cary ~ South	NC0065102	40.5%	180,211	234,648	54,437	90,105			
City of Raleigh ~ Smith Creek	NC0030759	40.5%	70,814	87,425	16,611	35,407			
City of Raleigh ~ Neuse	NC0029033	46.2%	713,373	772,050	58,677	356,687			
Raleigh ~ Ground Water	NA	46.2%							
City of Raleigh ~ Little Creek	NC0079316	23.7%	26,660	56,245	29,585	13,330			
Town of Clayton	NC0025453	47.5%	26,636	28,038	1,402	13,318			
Neuse Colony, (Aqua NC)	NC0064564	48.0%	8,447	8,800	353	4,224			
Johnston County	NC0030716	52.9%	73,476	69,448	-4,028	36,738	2,131	38,869	(38869/.529 = 73,476 lbs.)
Town of Kenly	NC0064891	52.5%	7,096	6,758	-338	3,548	177	3,725	(3725/.525 = 7,096 lbs.)
Town of Farmville	NC0029572	66.9%	42,211	31,549	-10,662	21,106	7,133	28,239	(28239/.669 = 42,211 lbs.)
Town of Snow Hill	NC0020842	65.7%	5,632	4,286	-1,346	2,816	884	3,700	(3700/.657 = 5,632 lbs.)
City of Wilson	NC0023906	51.6%	157,886	152,990	-4,896	78,943	2,526	81,469	(81469/.516 = 157,886 lbs.)
Duke Energy ~ Lee Facility	NC0003417	62.8%	3,260	3,634	374	2,282			
City of Goldsboro ~ Pipe 01	NC0023949	62.0%	199,822	225,606	25,784	139,876			
City of Goldsboro ~ Pipe 02									
Town of LaGrange	NC0021644	60.8%	8,447	9,725	1,278	5,913			
City of Kinston (Regional)	NC0024236	76.7%	126,711	115,641	-11,070	88,697	8,491	97,188	(97188/.767 = 126,711 lbs.)
Contentnea MSD	NC0032077	76.0%	37,100	34,171	-2,929	25,970	2,226	28,196	(37100/.76 = 37,100 lbs.)
CovationBio, Inc.	NC0003760	79.0%	25,493	22,589	-2,904	17,845	2,294	20,139	(20139/.79 = 25,493 lbs.)
City of New Bern	NC0025348	98.1%	64,210	65,454	1,244	64,210			
MCAS Cherry Point	NC0003816	88.7%	39,421	44,443	5,022	39,421			
City of Havelock	NC0021253	88.7%	21,400	24,126	2,726	21,400			
Craven County	NC0084460	88.7%	0	0	0	0			
Carolina Water Service, Inc.	NC0033111	99.5%	11,263	11,320	57	11,263			
							25,862		