

AGENDA

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

**May 4, 2023
Grifton, N. C.
10:00 a.m.**

- **Welcome, Roll Call, and Introduction of Guests**
 - * Member Introductions**
- **Approval of Minutes for February 2, 2023 (AI) –**
- **Officer Nomination Committee Recommendation and Officer Election -**
- **LNBA/NRCA Financials –**
 - * February, March, and April, 2023 Treasurer’s Reports (AI) –**
 - * Consideration of Proposal for Watershed Modeling (AI) –**
 - * Consideration of Proposal to Rebuild Website (AI) -**
 - * QuickBooks Software -**
 - * Contracts for Renewal -**
- **NRCA Updates -**
 - * NRCA Annual Report for 2022 –**
 - * 2022 Violations/Assessment (AI) -**
- **LNBA Updates -**
 - * Sampling Report – February, March, and April, 2023 –**
 - * LNBA Annual Report -**
- **Member Reports -**
- **Next Meeting and Adjourn – Location/Date: Town of Cary – September 7, 2023**

Action Items (AI)

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

Attending:

John Kiviniemi (Chair)	Raleigh Water	Donald Smith (Treas)	Town of Cary
Kenny Stevens (Sec)	City of Kinston	Chuck Smithwick (V-Chair)	Contentnea MSD
Brian Leavitt	Town of Benson	William Beattie	Town of Apex
Benjamin Overton	City of Kinston	Reggie Hicks	City of Durham
Jimmy Pridgen	City of Wilson	Richard Hamilton	City of Goldsboro
Kathy Cooper	City of Raleigh	Robert Sherman	City of Goldsboro
Tony Hawkins	City of New Bern	David Suggs	CovationBio
Michael Ratley	Town of Apex	Don Johnson	Town of Cary
Dan Wall	Johnston County	Bill Simpson	Town of Clayton
Jeff Mahagan	Town of Hillsborough	Sarah Jordan	Town of Cary
Mark Vander Borgh	NC DWR	Steve Tedder	Black & Vetch
Dan McLawhorn	McLawhorn Law	Ilona Williams	Town of Clayton
Andrew Stevenson	Aqua, N.C.	Barrett Jenkins	Restoration Systems
Mark Oliveira	Environment I	Adam Stephenson	Town of Fuquay-Varina
Drake Robart	Town of Snow Hill	Bodhan Fediuk	Town of Snow Hill
Mike Graham (call in)	Duke Energy Progress	John Huisman	NC DWR
Haywood Phthisic	LNBA/NRCA	Joe Pearce	Aqua, N.C.

The Chair, John Kiviniemi, called the meeting to order and welcomed everyone. The roll was called and there were 15 of 19 members present representing the LNBA and 17 of 24 members present representing the NRCA. There was a quorum present for both associations. Guests were introduced and recognized.

Board Minutes – The Board Minutes from the November 2, 2022 meeting were presented. Being no revisions, Jimmy Pridgen made the motion to approve, seconded by Dan Wall, and approved by the Board.

Financials – Treasurer's Report – Donald Smith presented the Treasurer's Report for the period of November 1, 2022 through January 31, 2023 to the Board. As of January 31st, the LNBA account balance is \$272,766.04 and NRCA account balance is \$341,578.11. Kenny Stevens made the motion to approve the report as presented, seconded by Jimmy Pridgen, and approved by the Boards, respectively.

FY 2023-24 Budget and Membership Fees, Finance Committee Recommendation – The Finance Committee (Jimmy Pridgen, Chuck Smithwick, Donald Smith, Lori Avent and assistance from Haywood Phthisic) presented the FY 2024 Budget and Membership Fees. The LNBA budget had an increase (2%) with the sampling contract renewal. The NRCA had an increase for the proposed NPDES permit fee increase. An amount of \$15,000 from fund balance (from each association) was programmed into each budget for improvements/updates to the website. The Committee recommended approval of the budget and membership fees. Bill Simpson made the motion to approve the budget/membership fees as presented, seconded by Dan Wall, and approved by the Board.

Website Update – Haywood continues discuss options for the software update due to the fact the software company will discontinue supporting the version of software (Drupal 7) the website currently operates. The software developer indicates the cost on the order of \$30,000 to rebuild the website.

Legal Counsel Regulatory Update – Dan McLawhorn, council to the associations, reported on a recent court filing the involved the Town of King. King was separating from the City of Winston-Salem. King filed a contested case with the Office of Administrative Hearings (OAH) against DWR's refusal to issue a permit. OAH ruled in December that the case could move forward after refusing DWR's position that King did not make application for a permit. Given the fact the legislature funded King was cause to rule against DWR as King was under a mandate to spend the funding or lose the funding. Dan noted there is an issue with the new discharge to High Rock Lake.

Officer Nomination Committee Appointment – The LNBA and NRCA will hold its annual meeting in May which is the time for elections. The Chair, John Kiviniemi, appointed Tony Hawkins, Bert Sherman, and Dan Wall to serve as the committee.

NRCA Updates –

Neuse River Watershed Model – John Huisman with the Nonpoint Source Planning Branch of DWR, reported the Division has a modeler under contract and an internal meeting is scheduled next week. There will be a stakeholder meeting in March as it is planned now. John did note that the model will be a watershed model not a point source transport factor model.

NRCA NPDES Permit Renewal – Haywood reported the NRCA's permit will be update for renewal January 1, 2024 so working will begin on that process after the first of the year. The permit application will be due for submittal July 1, 2023.

Annual Nutrient Report – Haywood reported the 2022 annual report prep has begun and will be circulated for member review. If you find any errors, please contact Haywood.

LNBA Updates –

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

November: All samples were collected and analyzed per MOA requirements with the following exceptions:

*J4080000 (Poplar Creek at SR 2049 Bethlehem Road. Nr Knightdale); Stream level too low for sample collection; no sample collected.

*J4690000 (Middle Creek at SR 1152 Holly Springs Road nr Holly Springs): Unable to collect due to bridge construction; no sample collected.

*J4115000 (Mark's Creek at Neuse River Trail nr Archer lodge) replaced J4110000 (Mark's Creek at Pritchard Rd. near Archer Lodge) due to safety concerns.

Final results for November samples have been submitted.

December: All samples were collected and analyzed per MOA requirements with the following exception:

*J4080000 (Poplar Creek at SR 2049 Bethlehem Road. Nr Knightdale); Stream level too low for sample collection; no sample collected

Results for December samples are in final data review.

January: All samples were collected per MOA requirements with the following exception:

*J4690000 (Middle Creek at SR 1152 Holly Springs Road nr Holly Springs): Unable to collect due to bridge construction; no sample collected. Analysis of these samples is ongoing.

All invoices have been processed and paid through December, 2022.

Sampling Site J4115000, Replacement Site for Marks Creek on Pritchard Road – With the assistance of DWR the sampling site was moved to a downstream location due to safety issues at the original site.

Environment I - Mark Oliveria with Environment I has been acquired by Waypoint Analytical and has accepted the contract in its current form.

The next meeting is scheduled for May 4, 2023 at 10:00 hosted by the Contentnea MSD. With no further business, the meeting was adjourned.

Lower Neuse Basin Association
Neuse River Compliance Association

MEMORANDUM

TO: LNBA/NRCA Board

FROM: Officer Nominating Committee (Bert Sherman, Dan Wall, and Tony Hawkins)

DATE: May 02, 2023

SUBJECT: Officer Nominations for 2023.

The committee met via conference call on March 16, 2023 to review and discuss possible nominations for the Chair, Vice-Chair, Treasurer, and Secretary for the Lower Neuse Basin Association and the Neuse River Compliance Association. Members of the Committee contacted the current officers to see if they are willing to serve a 2 year term beginning May 4th, 2023 through May 1, 2025. The Committee's recommendation for the LNBA/NRCA officers are:

Chairman –	John Kiviniemi, City of Raleigh
Vice-Chair –	Chuck Smithwick, Contentnea MSD
Treasurer –	Donald Smith, Town of Cary
Secretary –	Kenny Stevens, City of Kinston

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

Treasurer's Report

5/2/2023

LNBA

Balance Forward: (checking per bank statement - 1/31/2023)		Checking	\$	100,245.75
		Savings		172,517.29
Debits:	Environment I, Inc. (LNBA, Invoices)		\$	24,339.90
	Environment I, Inc. (Raleigh, Invoices)			4,510.98
	MFG Consulting, LLC			405.60
	PCi (Invoices)			4,889.42
	Total Debits		\$	34,145.90
Credits:	Interest (checking)		\$	31.03
	Interest (savings)			758.84
Checking Account Balance (per bank statement -4/30/2023)			\$	66,130.88
				173,276.13
Total LNBA Account Balance			\$	239,407.01

NRCA

Balance Forward: (per bank statement -1/31/2023)		Checking	\$	62,612.28
		Savings		278,965.82
Debits:	PCi (Invoices)		\$	8,408.00
	Sauber Water Quality Consulting		\$	280.00
	MFG Consulting, LLC			180.00
	McLawhorn Law Office			450.00
	Total:		\$	9,318.00
Credits:	Transfer from Checking to Savings Acc't		\$	-
	Interest (Savings)			1,227.05
	Interest (Checking)			21.47
Account Balance (per bank statement - 4/30/2023)		Checking	\$	53,315.75
		Savings		280,192.87
Total NRCA Account Balance			\$	333,508.62

From: Lebo, Martin <Martin.Lebo@wsp.com>
Sent: Friday, April 21, 2023 9:19 PM
To: exec.director@lnba.net
Subject: WSP Interest in Supporting LNBA/NRCA

Haywood,

I thought I would provide an update on discussions I have had with other WSP resources to support LNBA on review of the watershed model to be developed for the Neuse River basin below Falls Dam. I have spoken with an experienced modeler with WSP with extensive experience with HSPF model development who would be available to support the project. He also is familiar with several members of the modeling team with RESPEC.

There are three milestones for which review of the model development effort would be beneficial to identify potential improvements in the tool to simulate conditions in the Neuse River drainage basin. These are:

1. Review of hydrology and segmentation;
2. Review of the sediment components and transport of solids; and
3. Review of the calibration of Nitrogen components.

Potential cost would depend on how detailed a review was performed. The effort could range from review of documents prepared (minimum) to a more extensive effort of reviewing modeling inputs along with the documents. A preliminary cost range would be \$15,000 to \$30,000 for the remote review of materials that could be made available to the WSP team. Participation in the proposed review meetings with the consultant and DWR staff would probably be an additional \$5,000 for three meetings.

A more refined estimate of cost to support the LNBA/NRCA would require defining a detailed scope of work and the desired deliverables from the effort. It would also be affected by how receptive DWR is to providing access to the model files when RESPEC is nearing completion of a phase in the model development effort.

I will be available by cell phone on Monday and Tuesday afternoon next week if you want to discuss further.

Have a good weekend.

Marty.



Martin Lebo

Director, Environmental Science
Earth and Environment

T: 1 984 269 4653

C : 1 252 571 9465

E: Martin.Lebo@wsp.com

WSP USA
New Bern, NC 28562

wsp.com

NEUSE RIVER COMPLIANCE ASSOCIATION

Total Nitrogen Monitoring Report for 2022

Date: March 24, 2023

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NPDES Permit #: NCC000001		END OF PIPE					ESTUARY				
FACILITY	NPDES Permit #	Permit Flow (MGD)	2022 Avg. Flow (MGD)	Member TN Allocation (Lbs/Yr.)	Member TN Discharge (Lbs/Yr.)	Transport Factor	2022 Lease (Estuary Lbs.)	Member Estuary Allocation	Adjusted TN Allocation 2022 (Lbs/Yr.)	2022 TN Delivery (Lbs/Yr.)	% of Estuary Allocation
SGWASA Town of Hillsborough City of Durham	NC0026824	5.500	1.457	22,420	9,656	10%	0	2,242	0	966	43
	NC0026433	3.000	1.081	10,422	4,213	10%	0	1,042	0	421	40
	NC0023841	20.000	8.561	97,665	54,798	10%	0	9,767	0	5,480	56
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	NC0064050	3.600	1.213	40,547	15,505	50%	0	20,274	0	7,753	38
	NC0020389	1.900	0.960	33,070	12,165	50%	0	16,535	0	6,082	37
	NC0048879	12.000	6.147	143,246	33,922	50%	0	71,623	0	16,961	24
	NC0065102	12.800	4.974	180,211	25,235	50%	0	90,105	0	12,617	14
	NC0030759	3.000	2.320	70,814	34,472	50%	0	35,407	0	17,236	49
	NC0029033	75.000	45.867	713,373	314,630	50%	0	356,687	0	157,315	52
	NA	NA	NA	NA	59,431	50%	0	NA	0	29,716	
	NC0079316	2.200	0.831	26,660	6,440	50%	0	13,330	0	3,220	24
	NC0025453	2.500	1.617	22,832	24,464	50%	0	11,416	0	12,232	107
	NC0064564	0.350	0.269	8,447	9,091	50%	1,100	4,224	5,324	4,545	85
	NC0030716	9.500	4.385	73,476	28,649	50%	0	36,738	0	14,324	39
	NC0064891	0.630	0.347	7,096	5,195	50%	0	3,548	0	2,598	73
	NC0029572	3.500	0.793	42,211	2,545	50%	0	21,106	0	1,273	6
	NC0020842	0.500	0.186	5,632	2,181	50%	0	2,816	0	1,090	39
NC0023906	14.000	7.259	157,886	52,032	50%	0	78,943	0	26,016	33	
Duke Energy ~ Lee Facility	NC0003417	NA	0.034	3,260	89	70%	0	2,282	0	62	3
City of Goldsboro	NC0023949	14.200	7.619	199,822	60,898	70%	0	139,876	0	42,629	30
Town of LaGrange City of Kinston (Regional) Contentnea MSD CovationBio	NC0021644	0.750	0.258	8,447	3,127	70%	0	5,913	0	2,189	37
	NC0024236	11.850	3.407	126,711	17,642	70%	0	88,697	0	12,350	14
	NC0032077	3.500	1.476	37,100	6,122	70%	-7,500	25,970	18,470	4,285	23
	NC0003760	3.600	0.198	25,493	1,519	70%	-1,100	17,845	16,745	1,063	6
City of New Bern	NC0025348	6.500	2.823	64,210	31,363	100%	0	64,210	0	31,363	49
MCAS Cherry Point	NC0003816	3.500	1.153	39,421	14,481	100%	0	39,421	0	14,481	37
City of Havelock	NC0021253	2.250	1.171	21,400	12,676	100%	0	21,400	0	12,676	59
Craven County	NC0084460	0.000	0.846	0	3,557	100%	4,000	4,000	4,000	3,557	89
Carolina Water Service, Inc.	NC0033111	0.600	0.302	11,263	11,886	100%	3,500	11,263	14,763	11,886	81
		216,730	107,551							456,385	

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.

John Kiviniemi
3/24/2023

John Kiviniemi, Chair, Neuse River Compliance Association

Date

- NOTES: 1. Average Total Nitrogen Concentration End of Pipe by NRCA Members during 2022: 2.44 mg/L
2. Average Total Nitrogen Concentration with ground water contribution in 2022: 2.62 mg/L
3. NRCA's Annual Report Prepared By: Haywood M. Phthisic, III, Executive Director

Progress Achieved:

The Association is extremely proud of the commitment, experience, and knowledge of its members in reducing nitrogen delivery to the Neuse River Estuary since the implementation of the Neuse Nutrient Management Strategy in 1998 as demonstrated below.

Year	Total Average Flow (MGD)	Total Nitrogen (lbs.) Delivered to the Neuse Estuary
1995	83.808	1,784,130
1996	85.675	1,741,492
1997	81.444	1,653,262
1998	93.442	1,387,717
1999	94.659	1,123,169
2000	92.582	1,056,202
2001	86.818	907,381
2002	89.926	797,991
2003	107.463	711,398
2004	101.203	558,553
2005	101.757	566,627
2006	102.970	542,205
2007	92.994	461,325
2008	90.563	489,798
2009	98.570	497,002
2010	101.852	584,192
2011	93.384	513,269
2012	97.248	540,892
2013	102.847	514,847
2014	108.359	568,387
2015	108.721	610,915
2016	108.734	593,145
2017	101.510	491,822
2018	113.122	556,567
2019	105.573	481,011
2020	126.823	516,645
2021	123.839	564,843
2022	107.551	456,385

NRCA 2022 Annual Report Summary w/ Potential TN Reductions

Date: 4/27/2023

FACILITY	Average EOP Conc (mg/l)	Average Flow MGD		Potential TN Reduction (lbs)
Duke Energy Progress - Lee	0.85	0.034		
Town of Farmville	1.05	0.793		
Town of Hillsborough	1.28	1.081		
Contentnea MSD	1.36	1.476		
Craven County	1.38	0.846		
Town of Cary, South	1.67	4.974		
City of Kinston (Regional)	1.70	3.407		
Town of Cary, North	1.81	6.147		
City of Durham	2.10	8.561		
Johnston County	2.15	4.385		
SGWASA	2.18	1.457		
CovationBio, Inc.	2.52	0.198		
City of Raleigh - Neuse River	2.25	45.867		
City of Wilson	2.35	7.259		
City of Raleigh - Little Creek	2.55	0.831		
City of Goldsboro, Pipes 01&02	2.63	7.619		
City of Havelock	3.56	1.171	0.56	1,996
City of New Bern	3.65	2.823	0.65	31,366
Town of Snow Hill	3.85	0.186	0.85	481
Town of LaGrange	3.99	0.258	0.99	778
MCAS Cherry Point	4.13	1.153	1.13	3,966
Town of Benson	4.16	0.960	1.16	3,390
Town of Apex	4.20	1.213	1.20	4,431
City of Raleigh - Smith Creek	4.88	2.320	1.88	13,277
Town of Kenly	4.91	0.347	1.91	2,018
Town of Clayton	4.97	1.617	1.97	9,697
Neuse Colony (Aqua)	11.12	0.269	8.12	6,649
CWS Systems, Inc.	12.94	0.302	9.94	34,888
Daily Average	2.44	107.551		112,937

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

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

NEUSE RIVER COMPLIANCE ASSOCIATION
End of Pipe Total Nitrogen Concentration Report 2006 - 2022

Date: April 27, 2023

FACILITY	2006 TN Conc. (mg/L)	2007 TN Conc. (mg/L)	2008 TN Conc. (mg/L)	2009 TN Conc. (mg/L)	2010 TN Conc. (mg/L)	2011 TN Conc. (mg/L)	2012 TN Conc. (mg/L)	2013 TN Conc. (mg/L)	2014 TN Conc. (mg/L)	2015 TN Conc. (mg/L)	2016 TN Conc. (mg/L)	2017 TN Conc. (mg/L)	2018 TN Conc. (mg/L)	2019 TN Conc. (mg/L)	2020 TN Conc. (mg/L)	2021 TN Conc. (mg/L)	2022 TN Conc. (mg/L)	Basin Transport Zone
City of Durham	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.31	2.03	2.1	
Town of Hillsborough	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	1.43	1.28	
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	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	
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	
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	
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	
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	
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	
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	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	
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	
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	
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	
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	0.09	1.38	1.19	0.91	1.05	
Town of Snow Hill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.85	
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	
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	
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	
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	
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	70%
City of Kingston (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	
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	1.95	1.83	1.28	1.07	1.36	
Dupont-Kinston, 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	
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	
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	
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	
Craven County	-	-	-	-	-	-	-	-	-	-	-	0.89	2.00	1.92	1.94	1.46	1.38	
CWS Systems, Inc.	-	-	-	-	-	-	-	8.13	10.29	11.72	9.71	17.28	13.15	14.01	17.84	19.89	12.94	
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	

(*) Data not reported for 2 months

(-) Prior to membership in NRCA

NRCA Total Nitrogen Allocation Exceedance Summary by Facility

Date: 3/21/23

NPDES Permit #. NCC00001		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Totals
FACILITY	NPDES Permit #																					
City of Durham	NC00023841	(-) A	(-) A	(-) A	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of Hillsborough	NC00026433	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
SGWASA	NC00026824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Town of Apex	NC00064060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of Benson	NC00020389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of Cary ~ North	NC00048879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of Cary ~ South	NC00065102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
City of Raleigh ~ Smith Creek	NC00030759	(-) B	(-) B	(-) B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
City of Raleigh ~ Neuse	NC00029033	(-) C	(-) C	(-) C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
City of Raleigh ~ Little Creek	NC00079316	(-) C	(-) C	(-) C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of Clayton	NC00025453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Neuse Colony, (Aqua NC)	NC00064564	-	-	-	-	-	X	X	X	-	-	-	X	X	-	-	X	X	X	X	X*	1
Johnston County	NC00030716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Town of Kenly	NC00064801	X	X	X	X	X	X	X	X	-	-	-	-	-	-	x1	X	X	X	X	-	0
Town of Farmville	NC00029572	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Town of Snow Hill	NC00020842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
City of Wilson	NC00023906	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Duke Energy ~ Lee Facility	NC00034417	-	-	-	-	-	-	X E	X E	(-) E	(-) E	-	-	-	-	-	-	-	-	-	-	2
City of Goldsboro	NC00023949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Town of LaGrange	NC00021644	-	-	-	-	-	-	-	-	-	-	-	X	X	X	-	X	-	-	-	-	4
City of Kinston (Regional)	NC00024236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Contentnea MSD	NC00032077	X	X	X	X	-	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	5
Dow - Dupont, Inc.	NC00030760	-	-	(-) D	(-) D	(-) D	(-) D	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) F	(-) G	0
City of New Bern	NC00025348	X	-	-	-	-	-	X*	-	-	-	-	-	-	-	-	-	-	-	-	-	1
MCAS Cherry Point	NC0003816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
City of Havelock	NC00021253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Craven County	NC0004460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X (NA)	X (NA)	X (NA)	X (NA)	X (NA)	6
Carolina Water Service, Inc.	NC00033111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	X	6

Legend - (red indicates the TN allocation violation)

- A. DHS - Buhner
 B. Town of Wake Forest
 C. Town of Zebulon
 D. Unifi - Kinston, LLC
 E. Progress Energy Carolinas
 F. Dupont-Kinston
 G. Covation Biomaterials, LLC
- X - TN Allocation Exceedance and payment of Assessment to NRCA
 x - TN Allocation Exceedance and TN leased to avoid Assessment by NRCA
 X* - Special case, had nitrogen allocation but not in NPDES permit
 X1 - Failed to Monitor TN
 NA - No Allocation
 ND - No Discharge
 - or (-) - Compliant with TN Allocation
 - Indicates period before becoming a NRCA member.

Lower Neuse Basin Association ®

TO: Board Members

FROM: Haywood Phthisic, Executive Director

SUBJECT: Sampling/Monitoring Report for February 2, 2023 Board Meeting

DATE: May 2, 2023

Work continues on the Lower Neuse River Monitoring Service Contract No. 6 with Environment I. All sampling was completed by Environment 1 in February, March and April with the exceptions listed below:

February:

All samples collected per MOA requirements with the following exception:

02/13/23 (J4690000-Middle Creek at Holly Springs Rd. nr Holly Springs): unable to collect due to bridge construction

Final results have been submitted for samples collected in February.

March:

All samples collected per MOA requirements with the following exception:

03/06/23 (J4690000-Middle Creek at Holly Springs Rd. nr Holly Springs): unable to collect due to bridge construction

Many of the Conductivity, pH and Dissolved Oxygen data points will be qualified due to some missing documentation from a former employee.

Results for samples collected in March are in final data review

April:

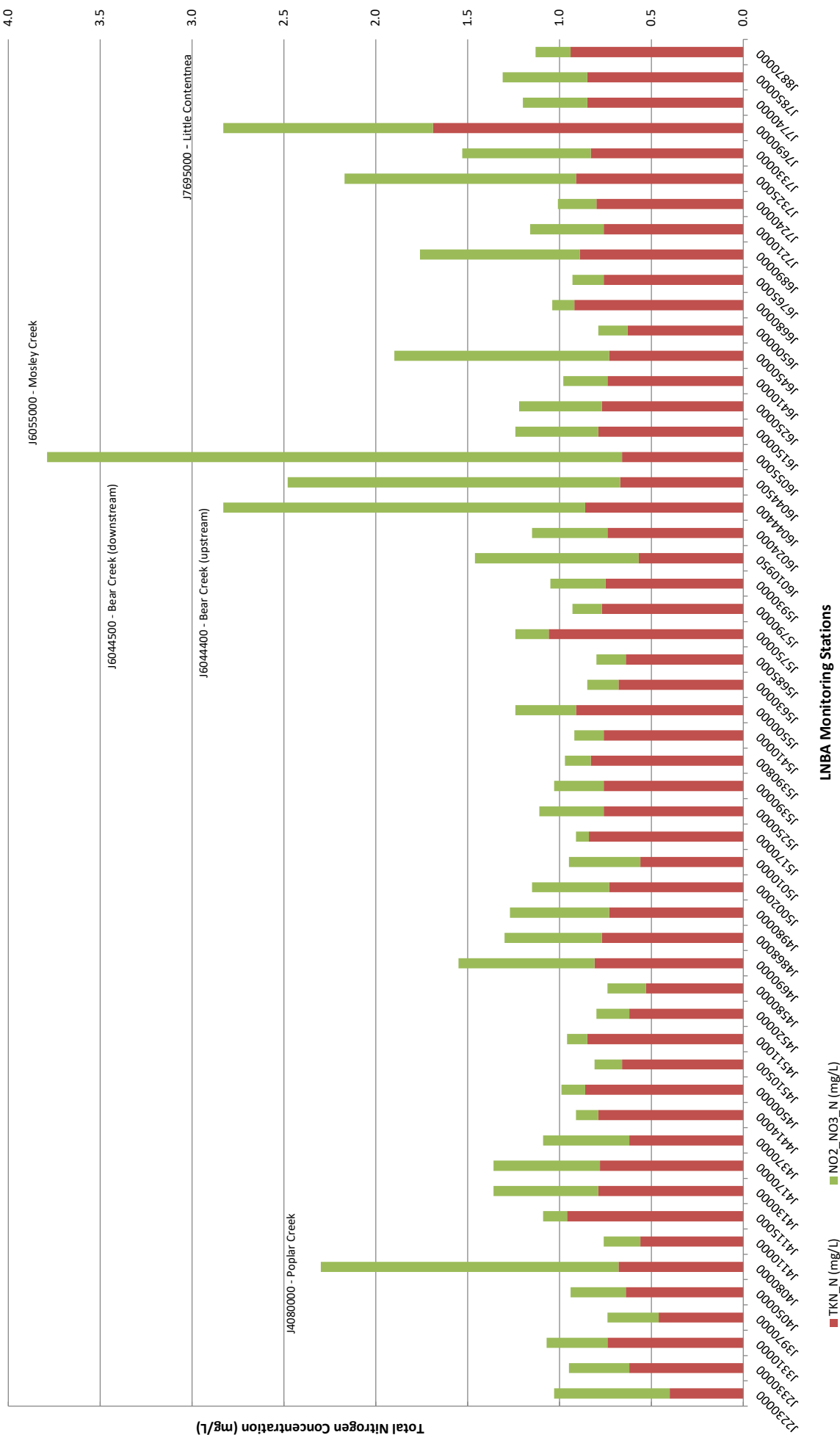
All samples collected per MOA requirements with the following exception:

04/12/23 (J4690000-Middle Creek at Holly Springs Rd. nr Holly Springs): unable to collect due to bridge construction

Analysis of these samples is ongoing

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

2022 LNBA Monitoring Stations Total Nitrogen Annual Average Concentrations



2003-2022 AVERAGE TOTAL NITROGEN CONCENTRATIONS FOR LNBA SAMPLING SITES

