

NEUSE RIVER COMPLIANCE ASSOCIATION®
Post Office Box 1410
Clayton, North Carolina 27528 - 1410

March 28, 2025

Mr. Richard Rogers, Director
N. C. DEQ - Division of Water Resources
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

Re: NPDES Permit No. NCC000001
Annual Report for 2024

Dear Mr. Rodgers:

The Neuse River Compliance Association is pleased to submit its 2024 annual report as required by the above referenced permit. As included in the attached report, the co-permittee members delivered a total of 579,966 pounds of total nitrogen to the Neuse Estuary during calendar year 2024, approximately 46% of the permit limit of 1,248,609 pounds.

We are very proud of the continued accomplishments of the Association and the efforts made by our members to control nitrogen loading to the Neuse River Estuary.

We hope that the enclosed report provides the detailed information that the Division has requested. If you have any questions, or if you need any further information, please contact our Executive Director, Haywood M. Phthisic, III, at 919.796.8049.

Sincerely,



Charles Smithwick, Chair

cc: LNBA/NRCA Board Members
Haywood M. Phthisic, III

Enclosures: Annual Report

NEUSE RIVER COMPLIANCE ASSOCIATION (NRCA)

2024 ANNUAL REPORT

NPDES PERMIT NCC000001

(i). Co-Permittee Members of the NRCA for Calendar Year 2024

Town of Apex -	NPDES Permit # NC0064050
Town of Kenly -	NPDES Permit # NC0064891
Town of Benson -	NPDES Permit # NC0020389
City of Kinston -	NPDES Permit # NC0024236
Town of Cary	
North Plant -	NPDES Permit # NC0048879
South Plant -	NPDES Permit # NC0065102
City of Raleigh	
Neuse WWTP -	NPDES Permit # NC0029033
Smith Creek WWTP -	NPDES Permit # NC0030759
Little Creek WWTP -	NPDES Permit # NC0079316
Johnston County -	NPDES Permit # NC0030716
City of Goldsboro -	NPDES Permit # NC0023949
Town of Clayton -	NPDES Permit # NC0025453
City of New Bern -	NPDES Permit # NC0025348
Contentnea MSD -	NPDES Permit # NC0032077
City of Wilson -	NPDES Permit # NC0023906
Town of Farmville -	NPDES Permit # NC0029572
Town of LaGrange -	NPDES Permit # NC0021644
MCAS Cherry Point -	NPDES Permit # NC0003816
Dupont-Kinston, Inc. -	NPDES Permit # NC0003760
Aqua N.C., Neuse Colony -	NPDES Permit # NC0064564
Duke Energy Progress -	NPDES Permit # NC0003417
South Granville W&S Authority -	NPDES Permit # NC0026824
City of Havelock -	NPDES Permit # NC0021253
CWS Systems, Inc. -	NPDES Permit # NC0033111
Craven County -	NPDES Permit # NC0089460
Town of Hillsborough	NPDES Permit # NC0026433
City of Durham	NPDES Permit # NC0023841
Town of Snow Hill	NPDES Permit # NC0020842

(ii). Summary of revisions in the NRCA 's membership for 2024:

No revisions in the membership for 2024.

(iii). Summary of all purchases, sales, trades, leases, and other transactions affecting the TN allocations of the Association or its Co-Permittee members in 2024:

There were annual total nitrogen allocations leases between NRCA members in 2024.

Short Term Lease Agreements -

* **Craven County** leased 4,500 lbs. of estuary nitrogen for their facility, NPDES # NC0089460, for 2024. Craven County leased from Contentnea MSD of Grifton, N. C. Craven County owns a water plant that the source ground water contains nitrogen. Craven County has no permanent nitrogen allocation.

* **CWS Systems, Inc.** leased 500 estuary pounds of nitrogen from Contentnea MSD for 2024 for its facility at Fairfield Harbor, NPDES # NC0033111.

* **City of Havelock** leased 6,000 estuary pounds of nitrogen from Contentnea MSD for 2024 for its facility NPDES # NC0021253.

Permanent Transfer Agreements in 2024 -

* The City of Raleigh, NPDES # NC0029033, purchase 15,000 estuary pounds of nitrogen from International Paper, NPDES # NC0003191 in 2024.

(iv). Assessments by NRCA –

The NRCA did not assess any members for 2024.

A complete list of all sales and leased nitrogen in the NRCA from 2003 through 2024 is included with this report.

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
2023	116.292	509,441
2024	123.280	579,966

NRCA Nitrogen Transactions (Sales/Leases)

Date: 3/25/2025

Year	Type of Nitrogen Transaction	Seller/Leasor	Buyer/Leasee	Estuary Lbs. of Nitrogen *	Cost per Pound
2024	Lease	Contentnea MSD	CWS Systems, Inc.	500	\$ 6.00
	Lease	Contentnea MSD	Craven County	4500	6.00
	Lease	Contentnea MSD	City of Havelock	6000	6.00
	Sale	International Paper	City of Raleigh	15,000	500.00
2023	Lease	Contentnea MSD	CWS Systems, Inc.	6,500	\$ 6.00
	Lease	Contentnea MSD	Craven County	4,250	6.00
2022	Lease	Contentnea MSD	CWS Systems	3,500	\$ 5.00
	Lease	Covation Biomaterials, LLC	Aqua, N. C. (Neuse Colony)	1,100	7.00
	Lease	Contentnea MSD	Craven County	4,000	6.00
2021	Lease	Dow Biosciences	Craven County	5,000	\$ 6.00
	Lease	Contentnea MSD	CWS Systems	9,500	5.00
	Lease	Dow Biosciences	Aqua, N. C. (Neuse Colony)	700	6.00
	Lease	Town of Benson	Town of Kenly	500	3.00
	Sale	International Paper	City of Raleigh	13,000	500.00
	Sale	Phillips Plating	Johnston County	1,000	500.00
2020	Lease	Dow Industrial Bioscience, LLC	Aqua, N.C.	700	\$ 5.00
	Lease	Dow Industrial Bioscience, LLC	Craven County	3,000	5.00
	Lease	Contentnea MSD	Carolina Water Service, Inc.	7,100	5.00
	Lease	Town of Benson	Town of Kenly	2,600	4.00
	Sale	International Paper, Inc.	Town of Clayton	13,000	500.00
	Sale	RS-Flat Swamp, LLC	Town of Clayton	15,908	500.00
2019	Lease	Dow Industrial Bioscience, LLC	Aqua, N.C.	3,100	\$ 5.00
	Lease	Dow Industrial Bioscience, LLC	Craven County	4,875	5.00
	Lease	Contentnea MSD	Carolina Water Service, Inc.	4,000	5.00
	Sale	Phillips Metal Works	Johnston County	1,000	500.00
2018	Lease	Contentnea MSD	CWS, Inc.	2,500	\$ 5.00
	Lease	Contentnea MSD	Town of LaGrange	4,000	4.00
	Lease	Dow-Dupont	Town of Kenly	1,000	5.00
	Lease	Dow-Dupont	Aqua, N.C.	600	5.00
	Lease	City of Goldsboro	City of Havelock	6,000	5.00
	Lease	Dow-Dupont	Craven County	4,280	4.00

Year	Type of Nitrogen Transaction	Seller/Leasor	Buyer/Leasee	Estuary Lbs. of Nitrogen *	Cost per Pound
2017	Lease	Contentnea MSD	CWS, Inc.	7,000	\$ 5.00
	Lease	NRCA	Craven County	50	9.00
	Lease	Dow-Dupont	Craven County	307	4.00
2016	Lease	Contentnea MSD	Town of LaGrange	1,000	\$ 4.00
	Lease	NRCA	Craven County	50	9.00
2015	Lease	Contentnea MSD	Aqua, N.C., Inc.	750	\$ 4.00
	Lease	Contentnea MSD	Town of LaGrange	1,300	4.00
	Lease	NRCA	Craven County	50	9.00
2014	Lease	Contentnea MSD	Aqua, N.C., Inc.	4,000	\$ 4.00
	Lease	Contentnea MSD	Town of LaGrange	1,300	4.00
	Lease	NRCA	Craven County	50	9.00
2013	Lease	NRCA	CWS Systems, Inc.	1,000	\$ 9.00
2012	Lease	NRCA	CWS Systems, Inc.	1,000	\$ 9.00
	Sale	SGWASA	City of Raleigh, N.C.	2,445	330.00
2010	Lease	NRCA	Progress Energy	9,000	\$ 9.00
	Lease	Dupont - Kinston	Aqua, N.C., Inc.	1,200	4.00
	Lease	Johnston County, N.C.	Town of Kenly, N.C.	1,577	8.18
	Lease	Dupont - Kinston	Contentnea MSD	15,000	4.00
	Lease	UNIFI, LLC, Kinston, N.C.	Contentnea MSD	3,500	4.00
2009	Lease	NRCA	Progress Energy	9,000	\$ 9.00
	Lease	Dupont - Kinston	Aqua, N.C., Inc.	2,500	4.00
	Lease	Johnston County	Town of Kenly, N.C.	1,745	8.18
2008	Lease	Johnston County, N.C.	Town of Kenly, N.C.	2,100	\$ 8.18
	Lease	UNIFI, LLC, Kinston, N.C.	Aqua, N.C., Inc.	3,500	4.00
	Sale	Town of Benson, N.C.	Johnston County, N.C.	360	490.80
2007	Lease	Johnston County, N.C.	Town of Kenly, N.C.	1,800	\$ 8.18
	Lease	NRCA	MCAS Cherry Point	5,000	3.00
	Sale	UNIFI, LLC, Kinston, N.C.	Johnston County, N.C.	1,645	490.80
	Sale	UNIFI, LLC, Kinston, N.C.	Town of Clayton, N.C.	1,645	490.73
2006	Lease	UNIFI, LLC, Kinston, N.C.	Contentnea MSD	5,000	\$ 2.00
	Lease	Johnston County, N.C.	Town of Kenly, N.C.	3,000	3.00
	Lease	NRCA	MCAS Cherry Point	10,000	2.00
	Sale	SGWASA	Town of Clayton, N.C.	3,668	490.73

Year	Type of Nitrogen Transaction	Seller/Leasor	Buyer/Leasee	Estuary Lbs. of Nitrogen *	Cost per Pound
2005	Lease	UNIFI, LLC, Kinston, N.C.	Contentnea MSD	1,800	\$ 2.00
	Lease	Johnston County, N.C.	Town of Kenly, N.C.	1,800	3.00
	Lease	NRCA	MCAS Cherry Point	20,000	1.50
2004	Sale	Bay River MSD	Town of Butner, N.C.	6,113	\$ 275.00

Notes:

- 1 Town of Butner, N.C. transferred their WWT facilities (and nitrogen allocation) to SGWSA in 2006.
- 2 NRCA - Neuse River Compliance Association
- 3 MCAS Cherry Point - Marine Corp Air Station, Cherry Point, Havelock, N.C. (multiple year lease).
- 4 Bay River MSD - Bay River Metropolitan Sewer District, Bayboro, N.C.
- 5 Contentnea MSD - Metropolitan Sewer District, Grifton, N.C.
- 6 SGWASA - South Granville Water & Sewer Authority, Butner, N.C.
- 7 Nitrogen lease - Temporary annual transfer for individual permit compliance.
- 8 Nitrogen sale - Permanent transfer of nitrogen allocation between two parties.
- 9 * Transport factor for "end of pipe" nitrogen value must be calculated for each individual permit holder.

NEUSE RIVER COMPLIANCE ASSOCIATION
Total Nitrogen Monitoring Report for 2024

Date: March 28, 2025

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FACILITY	NPDES Permit #	END OF PIPE				ESTUARY					
		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	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	50%	0	20,274	0	8,471	42
Town of Benson	NC0020389	1.900	1.093	33,070	9,852	50%	0	16,535	0	4,926	30
Town of Cary ~ North	NC0048879	12.000	6.363	143,246	56,805	50%	0	71,623	0	28,403	40
Town of Cary ~ South	NC0065102	12.800	6.320	180,211	36,193	50%	0	90,105	0	18,096	20
City of Raleigh ~ Smith Creek	NC0030759	3.000	2.532	70,814	40,695	50%	0	35,407	0	20,347	57
City of Raleigh ~ Neuse	NC0029033	75.000	49.623	713,373	309,340	50%	0	356,687	0	154,670	51
Raleigh ~ Ground Water	NA	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
MCSA 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: 2.64 mg/L
 2. Average Total Nitrogen Concentration with ground water contribution in 2024: 2.79 mg/L
 3. NRCA's Annual Report Prepared By: Haywood M. Phithisic, III, Executive Director
 4. Monthly discharge adjusted as required by the individual permit.

NEUSE RIVER COMPLIANCE ASSOCIATION

Total Nitrogen Monitoring Report for 2024

Date: March 28, 2025

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FACILITY	January			February			March			April		
	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)
SGWASA	61.429	3.1760	1,627	41.490	2.5300	875	61.859	2.6300	1,357	40.251	2.5117	843
Town of Hillsborough	50.919	2.4075	1,022	34.313	1.7800	509	43.916	1.7725	649	32.705	2.0375	556
City of Durham	360.780	4.6660	14,040	285.410	1.8950	4,511	384.660	1.9750	6,336	314.800	1.5600	4,096
Town of Apex	42.171	4.4740	1,574	36.387	6.0025	1,822	40.448	5.0900	1,717	34.368	4.4400	1,273
Town of Benson	40.565	4.2600	1,441	26.328	1.8800	413	32.426	3.0525	825	26.604	3.2300	717
Town of Cary ~ North	207.990	2.3814	4,131	181.560	3.1069	4,705	206.450	2.6272	4,523	187.450	3.6788	5,751
Town of Cary ~ South	217.020	1.7644	3,193	192.270	1.6277	2,610	217.460	1.6462	2,986	199.120	1.7766	2,950
City of Raleigh ~ Smith Creek	83.373	6.3580	4,421	72.281	7.0225	4,233	78.563	5.7100	3,741	72.493	5.4620	3,302
City of Raleigh ~ Neuse	1,628.003	2.1260	28,866	1,358.158	1.9675	22,286	1,545.281	1.3700	17,656	1,434.259	1.9600	23,445
Raleigh ~ Ground Water			4,744			4,744			4,744			4,744
City of Raleigh ~ Little Creek	36.300	2.2780	690	26.009	2.2425	486	34.524	1.6150	465	28.401	1.3140	311
Town of Clayton	59.230	5.2020	2,570	47.932	3.3760	1,350	54.830	3.2350	1,479	51.314	1.7360	743
Neuse Colony (Aqua NC)	8.004	8.2750	552	7.420	7.2200	447	7.668	5.8475	374	7.118	7.6000	451
Johnston County	211.234	1.7580	3,097	148.446	2.0525	2,541	179.081	1.8975	2,834	149.580	2.6760	3,338
Town of Kenly	14.105	4.7920	564	9.005	5.7950	435	15.188	6.0125	762	11.463	4.2550	407
Town of Farmville	49.049	1.4080	576	27.800	1.2800	297	42.920	1.5200	544	32.620	1.6620	452
Town of Snowhill	9.369	4.1480	324	7.533	3.4325	216	6.540	2.7975	153	6.038	2.4500	123
City of Wilson	304.070	1.5660	3,971	212.240	1.9925	3,527	327.480	2.1775	5,947	235.360	1.9140	3,757
Duke Energy ~ Lee Facility	15.220	0.3400	43	2.410	0.5100	10	3.790	0.3800	12	0.910	0.0000	0
City of Goldsboro ~ Pipe 01	329.640	3.4100	9,375	237.040	3.7075	7,329	276.150	2.1180	4,878	237.150	2.1825	4,317
City of Goldsboro ~ Pipe 02	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0
Town of LaGrange	13.551	3.3950	384	9.591	4.0740	326	13.036	3.7400	407	10.579	3.9925	352
City of Kinston (Regional)	156.180	1.5300	1,993	113.970	1.5325	1,457	149.380	3.0275	3,772	136.490	3.2640	3,715
Contentnea MSD	67.816	1.9220	1,087	46.969	1.6275	638	69.513	1.1975	694	52.391	2.1960	960
CovationBio, Inc.	8.851	1.3540	100	6.635	1.1750	65	9.739	5.2450	426	6.482	8.8325	477
City of New Bern	138.790	4.4020	5,095	117.290	4.7075	4,605	153.960	6.0625	7,784	128.850	3.0360	1,631
MCAS Cherry Point	41.870	5.0400	1,760	36.820	4.2750	1,313	48.820	3.2250	1,313	42.150	3.6800	1,294
City of Havelock	40.865	12.6225	4,302	33.607	13.8480	3,881	54.073	4.6350	2,090	40.911	2.6375	900
Craven County	26.753	1.5200	339	25.868	0.9600	207	25.761	1.0000	215	23.634	1.5600	307
Carolina Water Service, Inc.	8.900	19.8000	1,470	6.989	20.4250	1,191	7.099	17.5000	1,036	5.700	13.9000	661
Totals	4,232.047		103,350	3,351.771		77,027	4,090.615		79,720	3,549.191		71,874

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FACILITY	May			June			July			August		
	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (lbs.)
SGWASA	51.892	2.3780	1,029	37.689	2.2050	693	52.754	2.1580	949	61.637	2.5920	1,332
Town of Hillsborough	42.430	1.8700	662	26.575	1.6975	376	30.127	2.1425	538	39.619	1.7520	579
City of Durham	318.200	2.1080	5,594	236.400	1.3700	2,701	312.290	1.4833	3,863	373.090	1.9075	5,935
Town of Apex	32.532	4.6725	1,268	28.061	4.6850	1,096	33.490	4.1100	1,148	42.127	4.4000	1,546
Town of Benson	27.615	2.3800	548	22.740	2.6825	509	36.107	4.5360	1,366	51.670	3.3125	1,427
Town of Cary ~ North	190.570	4.7075	7,482	172.160	2.7025	3,880	193.770	2.5673	4,149	211.260	2.5723	4,532
Town of Cary ~ South	198.669	1.8655	3,091	166.559	2.6260	3,648	182.590	1.9120	2,912	203.470	2.3580	4,001
City of Raleigh ~ Smith Creek	73.385	5.1975	3,181	70.698	4.7650	2,810	78.888	4.9980	3,288	82.641	4.9900	3,439
City of Raleigh ~ Neuse	1,415.217	1.4575	17,203	1,307.840	1.7075	18,624	1,490.563	2.1860	27,175	1,695.570	2.1075	29,802
Raleigh ~ Ground Water			4,744			4,744			4,744			4,744
City of Raleigh ~ Little Creek	29.828	0.8725	217	26.455	1.7025	376	33.551	1.4820	415	38.856	1.2775	414
Town of Clayton	50.171	2.6350	1,103	32.657	2.7525	750	44.009	3.1300	1,149	48.087	2.5475	1,022
Neuse Colony (Aqua NC)	8.674	8.8400	639	7.781	6.0075	390	9.212	10.3200	793	6.640	10.1250	561
Johnston County	170.161	2.9875	4,240	117.436	3.8475	3,768	154.461	2.4500	3,156	177.255	1.7025	2,517
Town of Kenly	10.631	3.9800	353	7.917	4.6025	304	10.152	4.5540	386	15.433	5.3125	684
Town of Farmville	25.063	1.2800	268	17.040	1.6550	235	28.692	2.8183	674	49.123	1.6750	686
Town of Snowhill	5.450	4.3800	199	4.600	3.4150	131	5.848	3.9825	194	8.717	3.7780	275
City of Wilson	225.820	1.7025	3,206	181.430	2.0625	3,121	259.160	2.3340	5,045	340.510	2.2900	6,503
Duke Energy ~ Lee Facility	0.000	0.0000	0	2.460	0.3200	7	1.810	0.4200	6	12.930	0.0000	0
City of Goldsboro ~ Pipe 01	251.510	1.6400	3,440	172.150	3.3150	4,759	252.660	2.6725	5,631	412.470	3.9500	13,588
City of Goldsboro ~ Pipe 02	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0
Town of LaGrange	11.218	5.2520	491	9.981	5.7475	478	10.701	6.3775	569	21.359	5.4380	969
City of Kinston (Regional)	137.130	3.4275	3,920	106.274	1.1905	1,055	156.010	7.3460	9,558	279.420	2.3575	5,494
Contentnea MSD	23.970	1.4425	288	38.892	1.8975	615	65.040	3.1140	1,689	91.127	2.5250	1,919
CovationBio, Inc.	6.484	8.3360	451	4.745	1.7205	68	13.813	3.0360	350	12.408	3.1100	322
City of New Bern	128.180	3.6800	3,934	107.670	4.2150	3,785	143.450	3.0180	2,629	194.180	4.7125	7,632
MCAS Cherry Point	40.940	4.2250	1,443	38.870	5.5250	1,791	51.540	4.2400	1,823	57.240	4.7000	2,244
City of Havelock	35.220	4.2620	1,252	27.539	6.2600	1,438	37.810	4.3875	1,384	52.504	11.8220	5,177
Craven County	27.931	2.2250	518	28.416	1.1500	273	27.528	1.2400	285	29.264	1.5250	372
Carolina Water Service, Inc.	10.100	9.1710	773	10.102	19.6000	1,651	10.440	16.2600	1,416	10.440	8.1600	710
Totals	3,548.991		71,536	3,011.137		64,077	3,726.466		87,283	4,619.047		108,426

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FACILITY	September			October			November			December		
	Flow (MG)	TN Conc. (mg/L)	TN Disch. (Lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (Lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (Lbs.)	Flow (MG)	TN Conc. (mg/L)	TN Disch. (Lbs.)
SGWASA	61.904	2.4825	1,282	40.057	2.6700	892	37.123	2.5580	792	45.190	2.4950	940
Town of Hillsborough	42.368	1.6250	574	29.607	2.2260	550	27.216	2.4000	545	30.108	1.9900	500
City of Durham	460.570	3.1550	12,119	307.890	1.7733	4,553	264.590	1.3675	3,018	284.920	2.1020	4,995
Town of Apex	45.166	4.3925	1,655	34.464	4.5180	1,299	29.824	5.1750	1,287	32.430	4.6560	1,259
Town of Benson	44.056	2.8175	1,035	37.588	1.2980	407	28.658	2.5825	617	25.787	2.5400	546
Town of Cary ~ North	218.780	2.2917	4,181	190.940	2.2785	3,628	178.510	2.8240	4,204	189.310	3.5710	5,638
Town of Cary ~ South	215.159	2.0862	3,744	187.630	1.5780	2,469	166.232	1.5200	2,107	166.800	1.7837	2,481
City of Raleigh ~ Smith Creek	83.386	4.2660	2,967	77.370	4.4000	2,839	74.340	5.0475	3,129	79.199	5.0620	3,344
City of Raleigh ~ Neuse	1,800.175	1.9540	29,336	1,583.739	2.2725	30,016	1,445.773	2.2375	26,979	1,457.551	3.1220	37,951
Raleigh ~ Ground Water			4,744			4,744			4,744			4,744
City of Raleigh ~ Little Creek	45.149	1.2220	460	31.749	1.2825	340	26.332	1.4050	309	29.940	2.2060	551
Town of Clayton	56.745	1.9525	924	44.573	1.9400	721	39.150	3.0500	996	42.694	3.5800	1,275
Neuse Colony (Aqua NC)	9.685	8.6250	697	11.710	10.0557	982	8.745	8.7875	641	6.847	10.0600	574
Johnston County	143.572	1.6450	1,970	104.532	2.7120	2,364	61.940	2.5000	1,291	76.478	1.8020	1,149
Town of Kenly	15.021	2.8300	355	13.579	3.5060	397	9.128	3.9700	302	9.232	6.1880	476
Town of Farmville	55.636	1.3067	606	40.976	1.3450	460	22.113	1.0375	191	29.441	1.6625	408
Town of Snowhill	8.823	2.6175	193	8.680	21.3860	1,548	6.470	2.5600	138	6.282	2.6940	141
City of Wilson	345.570	2.1840	6,294	280.980	2.3050	5,401	198.830	2.8125	4,664	209.400	2.1760	3,800
Duke Energy ~ Lee Facility	10.830	0.4000	36	8.060	0.1100	7	0.290	1.4600	4	1.120	0.3300	3
City of Goldsboro ~ Pipe 01	345.500	6.1950	17,851	297.550	5.5050	13,661	200.630	4.6460	7,774	195.330	3.6800	5,995
City of Goldsboro ~ Pipe 02	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0	0.000	0.0000	0
Town of LaGrange	20.771	5.8000	1,005	17.965	5.9240	888	9.241	7.4225	572	10.975	6.4300	589
City of Kinston (Regional)	182.480	2.2660	3,449	186.620	3.1625	4,922	112.330	5.3120	4,976	124.569	5.3980	5,608
Contentnea MSD	76.405	1.9775	1,260	63.739	1.4300	760	44.336	1.3550	501	50.787	1.2160	515
CovationBio, Inc.	8.160	6.8025	463	11.516	3.0780	296	12.061	1.0250	103	14.370	1.0760	129
City of New Bern	150.802	5.9975	7,543	132.030	6.1380	6,759	109.590	6.2200	2,842	109.980	9.7900	8,980
MCAS Cherry Point	51.850	4.3000	1,859	42.770	5.0750	1,810	40.910	5.3500	1,825	41.200	4.0800	1,402
City of Havelock	46.313	4.8430	1,871	32.440	1.8200	492	27.770	7.3275	1,697	27.722	3.9275	908
Craven County	27.090	1.4000	316	28.768	1.4000	336	23.820	1.3250	263	27.001	2.6200	590
Carolina Water Service, Inc.	10.102	5.4000	455	10.440	7.4000	644	10.100	4.1380	349	10.438	4.8860	425
Totals	4,582.068		109,242	3,857.962		94,187	3,216.052		76,862	3,335.101		95,917

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FACILITY	Total Q (MG)	EOP Total Nitrogen (Lbs)	EOP Avg Conc. (mg/L)	Avg Q (MGD)
SGWASA	593.275	12,613	2.55	1.621
Town of Hillsborough	429.903	6,684	1.86	1.175
City of Durham	3,903.600	83,879	2.58	10.666
Town of Apex	431.468	16,942	4.71	1.179
Town of Benson	400.144	9,852	2.95	1.093
Town of Cary ~ North	2,328.750	56,805	2.92	6.363
Town of Cary ~ South	2,312.979	36,193	1.88	6.320
City of Raleigh ~ Smith Creek	926.617	40,695	5.27	2.532
City of Raleigh ~ Neuse	18,162.129	309,340	2.04	49.623
Raleigh ~ Ground Water		56,928		
City of Raleigh ~ Little Creek	387.094	5,033	1.56	1.058
Town of Clayton	571.392	14,080	2.95	1.561
Neuse Colony (Aqua NC)	99.503	7,101	8.56	0.272
Johnston County	1,694.176	32,266	2.28	4.629
Town of Kenly	140.854	5,424	4.62	0.385
Town of Farmville	420.473	5,398	1.54	1.149
Town of Snowhill	84.350	3,635	5.17	0.230
City of Wilson	3,120.850	55,237	2.12	8.527
Duke Energy ~ Lee Facility	59.830	128	0.26	0.163
City of Goldsboro ~ Pipe 01	3,207.780	98,598	3.69	8.764
City of Goldsboro ~ Pipe 02	0.000	0	0.00	0.000
Town of LaGrange	158.968	7,029	5.30	0.434
City of Kinston (Regional)	1,840.853	49,919	3.25	5.030
Contentnea MSD	690.985	10,927	1.90	1.888
CovationBio, Inc.	115.264	3,250	3.38	0.315
City of New Bern	1,614.772	63,219	4.69	4.412
MCAS Cherry Point	534.980	19,876	4.45	1.462
City of Havelock	456.774	25,391	6.67	1.248
Craven County	321.834	4,022	1.50	0.879
Carolina Water Service, Inc.	110.850	10,780	11.66	0.303
Operating Totals	45,120.447	994,316	2.64	123.280
Association Totals	45,120.447	1,051,244	2.79	123.280