

# NEUSE RIVER COMPLIANCE ASSOCIATION

## Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 1 of 5

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

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



Charles Smithwick, Chairman, Neuse River Compliance Association

3-26-2024

Date

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

2.51 mg/L  
 2.67 mg/L

# NEUSE RIVER COMPLIANCE ASSOCIATION

## Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 2 of 5

| FACILITY                       | January, 2023 |                 |                  | February, 2023 |                 |                  | March, 2023 |                 |                  | April, 2023 |                 |                  |
|--------------------------------|---------------|-----------------|------------------|----------------|-----------------|------------------|-------------|-----------------|------------------|-------------|-----------------|------------------|
|                                | 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                         | 55.192        | 3.0320          | 1,396            | 51.555         | 3.3580          | 1,444            | 53.395      | 2.4200          | 1,078            | 61.025      | 2.7100          | 1,379            |
| Town of Hillsborough           | 39.685        | 2.2625          | 749              | 36.053         | 2.1700          | 652              | 36.224      | 1.7560          | 531              | 42.081      | 1.6025          | 562              |
| City of Durham                 | 350.610       | 1.2820          | 3,749            | 294.660        | 1.5040          | 3,696            | 317.430     | 2.1650          | 5,732            | 350.900     | 2.3330          | 6,828            |
| Town of Apex                   | 43.087        | 4.4260          | 1,590            | 41.549         | 4.4250          | 1,533            | 40.778      | 4.7300          | 1,609            | 51.008      | 5.0425          | 2,145            |
| Town of Benson                 | 36.771        | 3.9625          | 1,215            | 41.005         | 2.6600          | 910              | 31.984      | 3.5380          | 944              | 38.038      | 2.4175          | 767              |
| Town of Cary ~ North           | 198.020       | 2.4646          | 4,070            | 183.030        | 2.3608          | 3,604            | 196.570     | 2.1450          | 3,516            | 207.580     | 1.7155          | 2,970            |
| Town of Cary ~ South           | 158.800       | 1.5000          | 1,987            | 155.540        | 1.4250          | 1,849            | 164.580     | 1.5544          | 2,134            | 178.975     | 1.5950          | 2,381            |
| City of Raleigh ~ Smith Creek  | 72.464        | 5.2275          | 3,159            | 64.702         | 5.1850          | 2,798            | 70.542      | 4.3580          | 2,564            | 69.373      | 4.4150          | 2,554            |
| City of Raleigh ~ Neuse        | 1,506.328     | 2.5375          | 31,878           | 1,425.442      | 2.4500          | 29,126           | 1,482.027   | 2.0240          | 25,017           | 1,594.615   | 1.7925          | 23,839           |
| Raleigh ~ Ground Water         |               |                 | 4,866            |                |                 | 4,866            |             |                 | 4,866            |             |                 | 4,866            |
| City of Raleigh ~ Little Creek | 30.829        | 2.4120          | 620              | 30.296         | 2.3450          | 593              | 28.375      | 2.2200          | 525              | 39.358      | 2.3150          | 760              |
| Town of Clayton                | 53.896        | 6.0533          | 2,721            | 54.241         | 5.1838          | 2,345            | 54.213      | 4.5277          | 2,047            | 54.651      | 4.5140          | 2,057            |
| Neuse Colony (Aqua NC)         | 7.470         | 9.5250          | 593              | 6.478          | 7.4400          | 402              | 7.080       | 8.2250          | 486              | 6.303       | 5.2650          | 277              |
| Johnston County                | 171.399       | 2.0425          | 2,920            | 188.692        | 1.8350          | 2,888            | 171.027     | 2.3740          | 3,386            | 177.270     | 2.1850          | 3,230            |
| Town of Kenly                  | 14.431        | 4.8580          | 585              | 16.137         | 3.8400          | 517              | 13.440      | 5.8580          | 657              | 13.237      | 5.5200          | 609              |
| Town of Farmville              | 27.777        | 1.5350          | 356              | 39.357         | 1.6475          | 541              | 30.159      | 2.2620          | 569              | 32.615      | 2.2125          | 602              |
| Town of Snowhill               | 5.272         | 3.2460          | 143              | 5.964          | 3.4850          | 173              | 9.910       | 4.3075          | 356              | 8.757       | 3.1750          | 232              |
| City of Wilson                 | 265.500       | 1.6940          | 3,751            | 322.460        | 1.8800          | 5,056            | 272.360     | 1.8725          | 4,253            | 300.330     | 1.8900          | 4,734            |
| Duke Energy ~ Lee Facility     | 1.880         | 0.4000          | 6                | 2.480          | 0.6400          | 13               | 0.000       | 0.0000          | 0                | 0.000       | 0.0000          | 0                |
| City of Goldsboro ~ Pipe 01    | 224.240       | 3.5850          | 6,705            | 278.420        | 1.9250          | 4,470            | 242.990     | 2.4220          | 4,908            | 282.830     | 2.4600          | 5,803            |
| 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               | 7.656         | 3.9375          | 251              | 10.550         | 4.2825          | 377              | 8.574       | 4.8820          | 349              | 11.355      | 4.3500          | 412              |
| City of Kinston (Regional)     | 107.700       | 2.5920          | 2,328            | 134.200        | 2.2025          | 2,465            | 117.180     | 2.8025          | 2,739            | 143.360     | 2.4350          | 2,911            |
| Contentnea MSD                 | 49.823        | 3.1600          | 1,313            | 57.262         | 2.0025          | 956              | 48.878      | 2.1475          | 875              | 62.320      | 1.7500          | 910              |
| CovationBio, Inc.              | 5.425         | 2.7175          | 123              | 5.746          | 11.5875         | 555              | 6.154       | 7.7600          | 398              | 5.955       | 2.3400          | 116              |
| City of New Bern               | 119.000       | 6.6300          | 6,580            | 126.350        | 5.3600          | 5,648            | 122.100     | 6.2100          | 6,324            | 134.440     | 3.6400          | 4,081            |
| MCAS Cherry Point              | 38.440        | 6.6500          | 2,132            | 35.590         | 3.7100          | 1,101            | 36.500      | 13.0400         | 3,970            | 37.710      | 5.3000          | 1,667            |
| City of Havelock               | 40.858        | 3.8200          | 1,302            | 41.720         | 3.7100          | 1,291            | 35.991      | 3.2980          | 990              | 38.730      | 3.2950          | 1,064            |
| Craven County                  | 24.180        | 1.7800          | 359              | 20.888         | 1.9000          | 331              | 23.483      | 1.8000          | 353              | 27.750      | 1.2250          | 284              |
| Carolina Water Service, Inc.   | 11.310        | 6.7000          | 632              | 11.090         | 10.2500         | 948              | 10.525      | 17.1000         | 1,501            | 11.516      | 10.6000         | 1,018            |
| Totals                         | 3,668.043     |                 | 88,078           | 3,681.457      |                 | 81,147           | 3,632.469   |                 | 82,675           | 3,982.082   |                 | 79,058           |

# NEUSE RIVER COMPLIANCE ASSOCIATION

## Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 3 of 5

| FACILITY                       | May, 2023 |                 |                  | June, 2023 |                 |                  | July, 2023 |                 |                  | August, 2023 |                 |                  |
|--------------------------------|-----------|-----------------|------------------|------------|-----------------|------------------|------------|-----------------|------------------|--------------|-----------------|------------------|
|                                | 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                         | 43.339    | 2.5025          | 905              | 39.592     | 2.3580          | 779              | 47.205     | 1.9960          | 786              | 39.210       | 2.1450          | 701              |
| Town of Hillsborough           | 33.624    | 2.3475          | 658              | 31.704     | 1.8540          | 490              | 29.665     | 1.9350          | 479              | 29.249       | 1.7500          | 427              |
| City of Durham                 | 277.200   | 2.6300          | 6,080            | 259.060    | 2.7475          | 5,936            | 257.170    | 1.6283          | 3,492            | 237.220      | 1.8375          | 3,635            |
| Town of Apex                   | 41.053    | 4.0660          | 1,392            | 35.646     | 3.8900          | 1,156            | 36.691     | 3.6800          | 1,126            | 33.472       | 4.3060          | 1,202            |
| Town of Benson                 | 36.966    | 2.7520          | 848              | 27.782     | 3.5950          | 833              | 40.356     | 3.4925          | 1,175            | 28.605       | 2.3300          | 556              |
| Town of Cary ~ North           | 188.730   | 1.6671          | 2,624            | 176.240    | 1.7709          | 2,603            | 182.990    | 1.4709          | 2,245            | 173.490      | 1.3500          | 1,953            |
| Town of Cary ~ South           | 162.129   | 1.4966          | 2,024            | 150.660    | 1.5633          | 1,964            | 154.710    | 1.8000          | 2,323            | 149.000      | 1.9220          | 2,388            |
| City of Raleigh ~ Smith Creek  | 72.246    | 5.1040          | 3,075            | 68.584     | 5.2650          | 3,012            | 73.971     | 5.3840          | 3,321            | 74.426       | 4.7825          | 2,969            |
| City of Raleigh ~ Neuse        | 1,492.739 | 1.8820          | 23,430           | 1,355.561  | 1.7525          | 19,813           | 1,431.734  | 2.2380          | 26,723           | 1,427.952    | 2.3425          | 27,897           |
| Raleigh ~ Ground Water         |           |                 | 4,866            |            |                 | 4,866            |            |                 | 4,866            |              |                 | 4,866            |
| City of Raleigh ~ Little Creek | 32.468    | 1.7740          | 480              | 24.096     | 2.1575          | 434              | 25.668     | 0.0000          | 0                | 24.026       | 1.8100          | 363              |
| Town of Clayton                | 54.852    | 6.2611          | 2,864            | 47.265     | 5.1362          | 2,025            | 47.758     | 3.2175          | 1,282            | 60.544       | 3.2350          | 1,633            |
| Neuse Colony (Aqua NC)         | 6.177     | 6.7000          | 345              | 8.029      | 8.2250          | 551              | 9.031      | 9.0000          | 678              | 9.642        | 10.3900         | 835              |
| Johnston County                | 166.036   | 2.5620          | 3,548            | 150.360    | 1.8825          | 2,361            | 167.338    | 2.0800          | 2,903            | 129.394      | 5.4128          | 5,841            |
| Town of Kenly                  | 5.274     | 12.2320         | 538              | 11.186     | 4.6650          | 435              | 11.612     | 4.4900          | 435              | 10.718       | 4.7160          | 422              |
| Town of Farmville              | 30.925    | 2.1220          | 547              | 23.980     | 1.9050          | 381              | 26.976     | 1.6080          | 362              | 24.903       | 0.7075          | 147              |
| Town of Snowhill               | 9.113     | 4.3960          | 334              | 9.594      | 4.8975          | 392              | 7.502      | 3.2875          | 206              | 5.637        | 2.1680          | 102              |
| City of Wilson                 | 281.660   | 2.5440          | 5,976            | 232.030    | 1.8050          | 3,493            | 233.240    | 1.7200          | 3,346            | 206.390      | 2.1350          | 3,675            |
| Duke Energy ~ Lee Facility     | 1.900     | 0.5700          | 9                | 0.620      | 0.4000          | 2                | 3.490      | 0.0700          | 2                | 4.080        | 0.5900          | 20               |
| City of Goldsboro ~ Pipe 01    | 267.820   | 1.1225          | 2,507            | 236.240    | 1.4060          | 2,770            | 300.380    | 1.0550          | 2,643            | 273.420      | 2.6725          | 6,094            |
| 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               | 9.410     | 4.3975          | 345              | 8.381      | 3.7140          | 260              | 11.465     | 3.2400          | 310              | 8.443        | 3.5340          | 249              |
| City of Kinston (Regional)     | 117.070   | 2.4080          | 2,351            | 100.960    | 2.3350          | 1,966            | 115.070    | 2.8750          | 2,759            | 107.230      | 2.1800          | 1,950            |
| Contentnea MSD                 | 53.020    | 1.4520          | 642              | 48.317     | 1.1600          | 467              | 48.250     | 1.4125          | 568              | 43.739       | 1.3640          | 498              |
| CovationBio, Inc.              | 6.154     | 4.0080          | 206              | 5.955      | 1.6800          | 83               | 6.154      | 7.7825          | 399              | 10.757       | 6.2940          | 565              |
| City of New Bern               | 137.830   | 4.5000          | 2,586            | 121.340    | 4.9600          | 5,019            | 129.410    | 2.7900          | 3,011            | 116.000      | 2.6200          | 1,267            |
| MCAS Cherry Point              | 36.960    | 5.6800          | 1,751            | 34.590     | 5.3750          | 1,551            | 39.030     | 5.7800          | 1,881            | 37.010       | 4.8000          | 1,482            |
| City of Havelock               | 37.789    | 4.5025          | 1,419            | 34.350     | 3.8640          | 1,107            | 36.239     | 3.5950          | 1,087            | 36.487       | 3.4740          | 1,057            |
| Craven County                  | 26.629    | 1.0600          | 235              | 26.070     | 1.3250          | 288              | 27.497     | 1.2000          | 275              | 29.915       | 1.6000          | 399              |
| Carolina Water Service, Inc.   | 11.288    | 20.0800         | 1,890            | 10.980     | 16.1500         | 1,479            | 11.222     | 21.0800         | 1,973            | 10.447       | 23.0000         | 2,004            |
| Totals                         | 3,640.401 |                 | 74,477           | 3,279.172  |                 | 66,515           | 3,511.823  |                 | 70,656           | 3,341.406    |                 | 75,197           |

# NEUSE RIVER COMPLIANCE ASSOCIATION

## Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 4 of 5

| FACILITY                       | September, 2023 |                 |                  | October, 2023 |                 |                  | November, 2023 |                 |                  | December, 2023 |                 |                  |
|--------------------------------|-----------------|-----------------|------------------|---------------|-----------------|------------------|----------------|-----------------|------------------|----------------|-----------------|------------------|
|                                | 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                         | 42.365          | 2.1080          | 745              | 37.612        | 2.3780          | 746              | 34.831         | 1.8300          | 532              | 55.967         | 2.9980          | 1,399            |
| Town of Hillsborough           | 29.249          | 1.5650          | 382              | 32.010        | 1.8375          | 491              | 30.967         | 1.8040          | 466              | 44.824         | 2.1675          | 810              |
| City of Durham                 | 249.160         | 2.6650          | 5,538            | 241.460       | 2.0516          | 4,131            | 224.530        | 2.1975          | 4,115            | 306.910        | 4.7050          | 12,043           |
| Town of Apex                   | 33.066          | 5.0425          | 1,391            | 33.657        | 4.7640          | 1,337            | 32.324         | 4.6775          | 1,261            | 39.972         | 4.5400          | 1,513            |
| Town of Benson                 | 31.101          | 2.8875          | 749              | 25.852        | 3.2450          | 700              | 22.192         | 5.8400          | 1,081            | 34.282         | 3.7700          | 1,078            |
| Town of Cary ~ North           | 180.340         | 1.4400          | 2,166            | 178.400       | 2.0115          | 2,993            | 171.980        | 2.0908          | 2,999            | 204.520        | 1.9980          | 3,408            |
| Town of Cary ~ South           | 144.467         | 1.7987          | 2,167            | 136.080       | 1.7177          | 1,949            | 130.150        | 1.5744          | 1,709            | 211.230        | 1.8128          | 3,194            |
| City of Raleigh ~ Smith Creek  | 71.833          | 4.9650          | 2,974            | 73.981        | 4.7000          | 2,900            | 72.521         | 4.9875          | 3,017            | 82.866         | 5.0050          | 3,459            |
| City of Raleigh ~ Neuse        | 1,434.563       | 2.1600          | 25,843           | 1,418.211     | 2.6580          | 31,439           | 1,354.588      | 2.9000          | 32,762           | 1,572.877      | 2.6775          | 35,123           |
| Raleigh ~ Ground Water         |                 |                 | 4,866            |               |                 | 4,866            |                |                 | 4,866            |                |                 | 4,866            |
| City of Raleigh ~ Little Creek | 24.686          | 1.9350          | 398              | 22.509        | 2.0080          | 377              | 22.282         | 2.0600          | 383              | 30.137         | 1.8850          | 474              |
| Town of Clayton                | 47.032          | 3.3125          | 1,299            | 50.756        | 5.0660          | 2,144            | 51.405         | 4.4600          | 1,912            | 62.411         | 4.6925          | 2,442            |
| Neuse Colony (Aqua NC)         | 9.440           | 8.5750          | 675              | 7.961         | 5.2300          | 347              | 7.257          | 6.2500          | 378              | 6.625          | 5.8250          | 322              |
| Johnston County                | 156.696         | 2.3575          | 3,081            | 132.928       | 2.0700          | 2,295            | 131.940        | 1.9375          | 2,132            | 175.668        | 2.6275          | 3,849            |
| Town of Kenly                  | 9.828           | 5.3725          | 440              | 9.511         | 5.4940          | 436              | 8.639          | 8.4650          | 610              | 12.745         | 5.7650          | 613              |
| Town of Farmville              | 39.571          | 0.9260          | 306              | 30.368        | 0.8120          | 206              | 22.926         | 0.7625          | 146              | 43.104         | 1.0350          | 372              |
| Town of Snowhill               | 5.100           | 3.4950          | 149              | 6.687         | 3.7240          | 208              | 6.640          | 2.0975          | 116              | 8.426          | 4.1650          | 293              |
| City of Wilson                 | 197.790         | 1.4375          | 2,371            | 182.060       | 1.7060          | 2,590            | 171.320        | 2.0280          | 2,898            | 264.490        | 2.4775          | 5,465            |
| Duke Energy ~ Lee Facility     | 6.470           | 0.2000          | 11               | 1.490         | 0.5500          | 7                | 0.000          | 0.0000          | 0                | 2.700          | 0.3900          | 9                |
| City of Goldsboro ~ Pipe 01    | 292.750         | 2.7820          | 6,792            | 225.470       | 1.8800          | 3,535            | 219.790        | 2.0950          | 3,840            | 297.280        | 3.0800          | 7,636            |
| 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               | 10.452          | 4.0830          | 356              | 8.466         | 5.4850          | 387              | 7.314          | 4.1960          | 256              | 10.731         | 4.0575          | 363              |
| City of Kinston (Regional)     | 122.190         | 2.2475          | 2,290            | 103.390       | 2.2800          | 1,966            | 90.960         | 2.0200          | 1,532            | 136.700        | 1.7250          | 1,967            |
| Contentnea MSD                 | 52.896          | 1.9075          | 841              | 45.599        | 2.2220          | 845              | 40.533         | 1.3675          | 462              | 63.619         | 1.4950          | 793              |
| CovationBio, Inc.              | 8.730           | 4.7225          | 344              | 6.696         | 3.3425          | 187              | 6.390          | 3.8880          | 207              | 9.331          | 2.9675          | 231              |
| City of New Bern               | 135.200         | 3.3200          | 3,744            | 115.040       | 3.2800          | 3,147            | 109.870        | 3.8500          | 1,764            | 139.300        | 4.4300          | 5,147            |
| MCAS Cherry Point              | 40.690          | 4.2250          | 1,434            | 40.620        | 3.9600          | 1,342            | 39.160         | 3.4250          | 1,119            | 42.930         | 3.4000          | 1,217            |
| City of Havelock               | 44.910          | 3.4700          | 1,300            | 34.751        | 3.8225          | 1,108            | 37.425         | 3.2720          | 1,021            | 42.036         | 2.8575          | 1,002            |
| Craven County                  | 28.740          | 1.2750          | 306              | 27.541        | 1.4600          | 335              | 25.200         | 1.2750          | 268              | 26.226         | 1.4500          | 317              |
| Carolina Water Service, Inc.   | 9.390           | 22.3750         | 1,752            | 6.944         | 22.6400         | 1,311            | 6.030          | 22.9710         | 1,155            | 7.812          | 21.0500         | 1,371            |
| Totals                         | 3,458.705       |                 | 74,709           | 3,236.050     |                 | 74,324           | 3,079.164      |                 | 73,006           | 3,935.719      |                 | 100,777          |

# NEUSE RIVER COMPLIANCE ASSOCIATION

## Total Nitrogen Monitoring Report for 2023

Date: March 25, 2024

Page 5 of 5

| FACILITY                       | Total Q<br>(MG) | EOP<br>Total Nitrogen<br>(Lbs) | EOP<br>Avg Conc.<br>(mg/L) | Avg Q<br>(MGD) |
|--------------------------------|-----------------|--------------------------------|----------------------------|----------------|
| SGWASA                         | 561.288         | 11,888                         | 2.54                       | 1.538          |
| Town of Hillsborough           | 415.335         | 6,207                          | 1.79                       | 1.138          |
| City of Durham                 | 3,366.310       | 70,513                         | 2.51                       | 9.223          |
| Town of Apex                   | 462.303         | 17,257                         | 4.48                       | 1.267          |
| Town of Benson                 | 394.934         | 10,856                         | 3.30                       | 1.082          |
| Town of Cary ~ North           | 2,241.890       | 35,151                         | 1.88                       | 6.142          |
| Town of Cary ~ South           | 1,896.321       | 26,067                         | 1.65                       | 5.195          |
| City of Raleigh ~ Smith Creek  | 867.509         | 35,802                         | 4.95                       | 2.377          |
| City of Raleigh ~ Neuse        | 17,496.637      | 332,889                        | 2.28                       | 47.936         |
| Raleigh ~ Ground Water         |                 | 58,392                         |                            |                |
| City of Raleigh ~ Little Creek | 334.730         | 5,406                          | 1.94                       | 0.917          |
| Town of Clayton                | 639.024         | 24,773                         | 4.65                       | 1.751          |
| Neuse Colony (Aqua NC)         | 91.493          | 5,890                          | 7.72                       | 0.251          |
| Johnston County                | 1,918.748       | 38,434                         | 2.40                       | 5.257          |
| Town of Kenly                  | 136.758         | 6,296                          | 5.52                       | 0.375          |
| Town of Farmville              | 372.661         | 4,533                          | 1.46                       | 1.021          |
| Town of Snowhill               | 88.602          | 2,703                          | 3.66                       | 0.243          |
| City of Wilson                 | 2,929.630       | 47,608                         | 1.95                       | 8.026          |
| Duke Energy ~ Lee Facility     | 25.110          | 79                             | 0.38                       | 0.069          |
| City of Goldsboro ~ Pipe 01    | 3,141.630       | 57,704                         | 2.20                       | 8.607          |
| City of Goldsboro ~ Pipe 02    | 0.000           | 0                              | 0.00                       | 0.000          |
| Town of LaGrange               | 112.797         | 3,915                          | 4.16                       | 0.309          |
| City of Kinston (Regional)     | 1,396.010       | 27,225                         | 2.34                       | 3.825          |
| Contentnea MSD                 | 614.256         | 9,172                          | 1.79                       | 1.683          |
| CovationBio, Inc.              | 83.447          | 3,415                          | 4.91                       | 0.229          |
| City of New Bern               | 1,505.880       | 48,318                         | 3.85                       | 4.126          |
| MCAS Cherry Point              | 459.230         | 20,645                         | 5.39                       | 1.258          |
| City of Havelock               | 461.286         | 13,747                         | 3.57                       | 1.264          |
| Craven County                  | 314.119         | 3,750                          | 1.43                       | 0.861          |
| Carolina Water Service, Inc.   | 118.554         | 17,035                         | 17.23                      | 0.325          |
| Operating Totals               | 42,446.491      | 887,277                        | 2.51                       | 116.292        |
| Association Totals             | 42,446.491      | 945,669                        | 2.67                       | 116.292        |