

Users Guide for Nutrient Loadings Tables

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In early 2008, HydroQual prepared tabulations of nutrient loadings used in the System Wide Eutrophication Model (SWEM) for the HEP Nutrient Work Group (NWG). The purpose of the loadings tables is to remind the HEP Nutrient Work Group of the loading conditions used for modeling work to this point as well as to illustrate the level of detail to which loadings would need to be specified in the future if alternative loadings are desired for TMDL related modeling work. The loadings tabulations are available as a 141-page PDF in either English or metric units. It is intended that these loading tables will be made web available by EPA.

Pages 1-12 of the PDF summarize all carbon and nitrogen loading source categories to a given water body. These pages are handy for quickly getting a sense of the largest loading to a given waterway.

Pages 13-47 address tributary loadings of nitrogen, carbon, and dissolved oxygen. The tables include both mass per time loadings resulting from 1988 and 1989 upstream water flow records and user-defined concentrations specified in a SWEM input file (i.e., lbs/day) as well as a listing of the user-specified concentrations from a SWEM input file (i.e., mg/L). The user-specified concentrations in the baseline column are based on data collected during the 1994-95 field program conducted in support of the development of SWEM. These input concentrations, based on 1994-95 data were further verified by comparing to data more recently collected by the Passaic Valley Sewerage Commissioners (PVSC) and the New Jersey Harbor Dischargers Group (NJHDG). The comparisons are summarized in a HydroQual technical memorandum of September 23, 2005 to NJDEP. A concurrence letter was written by the NJDEP in March 2006. With NJDEP's permission, EPA Region 2 can make both of these documents web available.

Pages 48-71 display SW and CSO loadings in mass/time units. The time variable flow components of these loadings are related to 1988 and 1989 precipitation records and landside/watershed/sewershed volumetric loading models. The constant concentration portions of these loadings, as specified in the baseline column, are based on measurements collected largely in 1994-95 in support of the calibration of SWEM.

Pages 72-105 display STP loadings in mass/time units. The basis of the loadings shown in the baseline column are 1994-95 DMRs and effluent sampling conducted in 1994-95 in support of

SWEM.

All of the tabulations displayed on pages 1-105 include four distinct conditions for tabulating loadings with column headings labeled as: baseline; baseline plus Clean Air Interstate Rule (CAIR) benefits plus the Long Island Sound Study (LISS) TMDL plus the Jamaica Bay (JB) Consent Order; HydroQual Scenario; and Pastoral. Each of these conditions is briefly described below and where possible a reference is given. It is intended that EPA will make the references web available.

Baseline - The baseline loading condition was carefully selected by the Nutrient Work Group in fall 2002. The baseline includes the rainfall of calendar years 1988 and 1989 with nutrient loadings based largely on 1994-95 measurements. The baseline conditions include the hydrologic and meteorological conditions of the 24 month period 1988 and 1989 as well as point source loadings representative of the attainment of secondary treatment at all STPs. Point source loadings used in the model are based primarily on measurements collected during 1994-95 for the calibration of SWEM and 1994-95 Discharge Monitoring Reports (DMRs) obtained from EPA's Permit Compliance System (PCS). Where necessary, adjustments were made to include upgrades to secondary treatment occurring subsequent to 1994-95 (i.e., Owls Head and Newtown Creek). Notes of numerous Work Group meetings and conference calls prior to and including 12-17-2002 document the selection process. The 1994-95 concentration measurements defining baseline loadings and used initially to calibrate SWEM are described and presented in two documents:

HydroQual, Inc, 2002. *Calibration Enhancement of the System-Wide Eutrophication Model (SWEM) in the New Jersey Tributaries*. Final technical report prepared for the State of New Jersey Department of Environmental Protection under contract agreement with the Passaic Valley Sewerage Commissioners.

HydroQual, Inc. 1999. *Newtown Creek Water Pollution Control Project East River Water Quality Plan Task 10.0 System-Wide Eutrophication Model (SWEM) Sub-task 10.2 Obtain and Reduce Loading/Water Quality Data*. Final technical report prepared for the City of New York Department of Environmental Protection under contract agreement with Greeley and Hansen, New York, NY.

Baseline plus Clean Air Interstate Rule (CAIR) benefits plus the Long Island Sound Study (LISS) TMDL plus the Jamaica Bay (JB) Consent Order - This SWEM simulation was a first attempt to upgrade SWEM NWG baseline loadings to reflect expected loadings through planned improvements. This loading condition was approved by the Nutrient Work Group as

representing a conservative estimate of expected conditions resulting from major planned improvements. It was intended that these loadings could serve as an improved baseline from which sub-regional planned improvements and other potential future actions could be evaluated. Individual portions of the loading conditions are described in several places including: for the Jamaica Bay Consent Order, an April 2, 2007 memorandum from HydroQual to Bob Nyman; for CAIR related loadings, a July 2006 HydroQual report, *Use of SWEM to Address HEP TMDL Oversight Group Nutrient Management Questions*; and for LISS TMDL loadings, July 2006 and August 2006 memoranda from HydroQual to Mark Tedesco, Paul Stacey, and Ron Entringer, *Loadings for TMDL Scenario and C Loadings for TMDL Scenario*.

HydroQual Scenario - This SWEM simulation was particularly useful in addressing the “What Would It Take?” question posed by the TMDL Oversight Group. Essentially, this loading condition illustrates one example of nutrient loadings that could result in a Harbor near attainment of water quality standards. The July 2006 HydroQual report, *Use of SWEM to Address HEP TMDL Oversight Group Nutrient Management Questions* provides a description.

Pastoral - This SWEM simulation attempts to define an upper limit on what water quality in the Harbor could be absent anthropogenic influences. This loading condition is described in the HydroQual August 2005 document, *Second Pastoral Scenario Results*.

Tabulations on pages 106-139 repeat the STP loadings from tables on pages 72-105 and also include tabulations of the loadings considered in costing analyses performed for HEP by the dischargers. The additional columns presented here correspond to the various levels of treatment considered in the costing analysis.

Tabulations on pages 140 and 141 display atmospheric loadings considered in SWEM.

| Hackensack River Loads Summary Total Nitrogen Load (lb/d) | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Hackensack River Head of Tide | 127.1 | 127.1 | 122.4 | 122.4 | 48.4 |
| Storm Water | 1843.4 | 1843.4 | 1635.1 | 1376.8 | 523.9 |
| CSO | 886.0 | 886.0 | 886.0 | 664.5 | 0.0 |
| North Bergen Central | 741.6 | 1228.9 | 0.0 | 0.0 | |
| Secaucus | 629.9 | 1048.7 | 629.9 | 102.6 | |
| Bergen County | 12196.1 | 15506.3 | 12196.1 | 2490.3 | |
| Atmosphere | 76.2 | 76.2 | 56.9 | 56.9 | 5.8 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Hackensack River Head of Tide | 632.6 | 632.6 | 609.0 | 609.0 | 237.2 |
| Storm Water | 2305.2 | 2305.2 | 2044.7 | 1721.7 | 655.1 |
| CSO | 1107.9 | 1107.9 | 1107.9 | 830.9 | 0.0 |
| North Bergen Central | 741.7 | 1229.0 | 0.0 | 0.0 | |
| Secaucus | 629.5 | 1048.1 | 629.5 | 102.6 | |
| Bergen County | 12195.3 | 15505.3 | 12195.3 | 2490.4 | |
| Atmosphere | 76.3 | 76.3 | 57.0 | 57.0 | 5.8 |

| Hackensack River Loads Summary | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Hackensack River Head of Tide | 665.3 | 665.3 | 665.3 | 665.3 | 347.7 |
| Storm Water | 16726.8 | 16726.8 | 15054.1 | 14217.8 | 3423.4 |
| CSO | 5567.0 | 5567.0 | 5567.0 | 3340.2 | 0.0 |
| North Bergen Central | 2408.6 | 3991.8 | 0.0 | 0.0 | |
| Secaucus | 567.0 | 944.1 | 567.0 | 35.8 | |
| Bergen County | 17186.0 | 21850.5 | 17186.0 | 779.2 | |
| Atmosphere | 112.9 | 112.9 | 112.9 | 112.9 | 8.6 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Hackensack River Head of Tide | 3476.3 | 3476.3 | 3476.3 | 3476.3 | 1702.1 |
| Storm Water | 20916.9 | 20916.9 | 18825.2 | 17779.3 | 4280.9 |
| CSO | 6961.5 | 6961.5 | 6961.5 | 4176.9 | 0.0 |
| North Bergen Central | 2405.9 | 3987.4 | 0.0 | 0.0 | |
| Secaucus | 566.7 | 943.5 | 566.7 | 35.8 | |
| Bergen County | 17195.5 | 21862.6 | 17195.5 | 779.2 | |
| Atmosphere | 113.0 | 113.0 | 113.0 | 113.0 | 8.6 |

| Passaic River Loads Summary | | | | | |
|------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Passaic River Head of Tide | 12439.9 | 12439.9 | 11027.9 | 11027.9 | 1897.4 |
| Saddle River Head of Tide | 1507.0 | 1507.0 | 1450.8 | 1450.8 | 75.3 |
| Storm Water | 1149.2 | 1149.2 | 1019.4 | 858.3 | 326.6 |
| CSO | 986.5 | 986.5 | 986.5 | 739.8 | 0.0 |
| Atmosphere | 49.5 | 49.5 | 36.9 | 36.9 | 3.8 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Passaic River Head of Tide | 25160.5 | 25160.5 | 21886.5 | 21886.5 | 3294.4 |
| Saddle River Head of Tide | 2410.2 | 2410.2 | 2320.6 | 2320.6 | 106.3 |
| Storm Water | 1437.1 | 1437.1 | 1274.7 | 1073.4 | 408.4 |
| CSO | 1233.6 | 1233.6 | 1233.6 | 925.2 | 0.0 |
| Atmosphere | 49.5 | 49.5 | 37.0 | 37.0 | 3.8 |

| Passaic River Loads Summary | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Passaic River Head of Tide | 30254.0 | 30254.0 | 2588.0 | 2588.0 | 13052.8 |
| Saddle River Head of Tide | 3708.1 | 3708.1 | 3708.1 | 3708.1 | 1551.9 |
| Storm Water | 10427.9 | 10427.9 | 9385.1 | 8863.7 | 2134.2 |
| CSO | 6198.5 | 6198.5 | 6198.5 | 3719.1 | 0.0 |
| Atmosphere | 73.3 | 73.3 | 73.3 | 73.3 | 5.6 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Passaic River Head of Tide | 57695.6 | 57695.6 | 4215.4 | 4215.4 | 22663.2 |
| Saddle River Head of Tide | 5580.1 | 5580.1 | 5580.1 | 5580.1 | 2191.7 |
| Storm Water | 13040.1 | 13040.1 | 11736.1 | 11084.1 | 2668.8 |
| CSO | 7751.2 | 7751.2 | 7751.2 | 4650.7 | 0.0 |
| Atmosphere | 73.4 | 73.4 | 73.4 | 73.4 | 5.6 |

| Newark Bay Loads Summary Total Nitrogen Load (lb/d) | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 310.8 | 310.8 | 275.7 | 232.2 | 88.3 |
| CSO | 319.8 | 319.8 | 319.8 | 239.8 | 0.0 |
| Atmosphere | 103.0 | 103.0 | 76.9 | 76.9 | 7.8 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 388.7 | 388.7 | 344.8 | 290.3 | 110.5 |
| CSO | 399.9 | 399.9 | 399.9 | 299.9 | 0.0 |
| Atmosphere | 103.1 | 103.1 | 77.0 | 77.0 | 7.9 |

| Newark Bay Loads Summary | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 2820.4 | 2820.4 | 2538.4 | 2397.4 | 577.2 |
| CSO | 2009.4 | 2009.4 | 2009.4 | 1205.6 | 0.0 |
| Atmosphere | 152.6 | 152.6 | 152.6 | 152.6 | 11.6 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 3526.9 | 3526.9 | 3174.2 | 2997.9 | 721.8 |
| CSO | 2512.7 | 2512.7 | 2512.7 | 1507.6 | 0.0 |
| Atmosphere | 152.7 | 152.7 | 152.7 | 152.7 | 11.6 |

| Arthur Kill and Kill Van Kull Loads Summary | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Total Nitrogen Load (lb/d) | | | | | | |
| 1988 Hydrodynamic Conditions | | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Storm Water | 1552.1 | 1552.1 | 1376.7 | 1159.4 | 442.5 | |
| CSO | 1215.9 | 1215.9 | 1215.9 | 949.5 | 0.0 | |
| Port Richmond | 3065.1 | 4945.1 | 3065.1 | 3065.1 | | |
| Linden Roselle | 7146.0 | 9941.1 | 7146.0 | 458.9 | | |
| Jnt Meeting Essex Union | 9862.6 | 14555.4 | 9862.6 | 2163.7 | | |
| Rahway | 3780.6 | 6023.1 | 3780.6 | 942.5 | | |
| Atmosphere | 130.2 | 130.2 | 97.2 | 97.2 | 9.9 | |
| 1989 Hydrodynamic Conditions | | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Storm Water | 1940.9 | 1940.9 | 1721.5 | 1449.8 | 553.1 | |
| CSO | 1512.7 | 1512.7 | 1512.7 | 1179.6 | 0.0 | |
| Port Richmond | 3064.1 | 4943.6 | 3064.1 | 3064.1 | | |
| Linden Roselle | 7129.0 | 9917.4 | 7129.0 | 458.9 | | |
| Jnt Meeting Essex Union | 9865.5 | 14559.7 | 9865.5 | 2163.4 | | |
| Rahway | 3779.2 | 6020.8 | 3779.2 | 942.5 | | |
| Atmosphere | 130.3 | 130.3 | 97.3 | 97.3 | 9.9 | |

| Arthur Kill and Kill Van Kull Loads Summary | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 14083.1 | 14083.1 | 12674.8 | 11971.2 | 2891.9 |
| CSO | 7640.0 | 7640.0 | 7640.0 | 4961.7 | 0.0 |
| Port Richmond | 2732.6 | 4409.3 | 2732.6 | 2732.6 | |
| Linden Roselle | 1719.5 | 2392.7 | 1719.5 | 342.7 | |
| Jnt Meeting Essex Union | 9748.2 | 14384.1 | 9748.2 | 1979.9 | |
| Rahway | 5729.5 | 9125.4 | 5729.5 | 851.0 | |
| Atmosphere | 192.9 | 192.9 | 192.9 | 192.9 | 14.7 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 17610.9 | 17610.9 | 15849.8 | 14970.1 | 3614.1 |
| CSO | 9505.2 | 9505.2 | 9505.2 | 6156.2 | 0.0 |
| Port Richmond | 2730.9 | 4406.6 | 2730.9 | 2730.9 | |
| Linden Roselle | 1715.4 | 2387.0 | 1715.4 | 342.7 | |
| Jnt Meeting Essex Union | 9750.2 | 14387.0 | 9750.2 | 1979.7 | |
| Rahway | 5727.4 | 9121.9 | 5727.4 | 850.9 | |
| Atmosphere | 193.1 | 193.1 | 193.1 | 193.1 | 14.7 |

| Raritan River and Raritan Bay Loads Summary | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Raritan River Head of Tide | 13016.6 | 13016.6 | 11418.0 | 11418.0 | 834.5 |
| South River Head of Tide | 1725.4 | 1725.4 | 1580.6 | 1580.6 | 370.8 |
| Navesink/Shrewbury River Head of Tide | 178.0 | 178.0 | 176.4 | 176.4 | 62.5 |
| Storm Water | 1777.7 | 1777.7 | 1576.8 | 1327.7 | 505.2 |
| CSO | 276.1 | 276.1 | 276.1 | 207.0 | 0.0 |
| Oakwood Beach | 4475.6 | 6794.3 | 4475.6 | 4475.6 | |
| Middlesex County | 30816.4 | 42112.5 | 30816.4 | 3590.3 | |
| Atmosphere | 1835.0 | 1835.0 | 1370.2 | 1370.2 | 139.8 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Raritan River Head of Tide | 19371.1 | 19371.1 | 17043.9 | 17043.9 | 1268.7 |
| South River Head of Tide | 2444.0 | 2444.0 | 2240.3 | 2240.3 | 521.0 |
| Navesink/Shrewbury River Head of Tide | 675.3 | 675.3 | 669.3 | 669.3 | 254.0 |
| Storm Water | 2223.0 | 2223.0 | 1971.8 | 1660.3 | 631.7 |
| CSO | 345.2 | 345.2 | 345.2 | 258.9 | 0.0 |
| Oakwood Beach | 4479.7 | 6800.5 | 4479.7 | 4479.7 | |
| Middlesex County | 30801.7 | 42092.6 | 30801.7 | 3589.9 | |
| Atmosphere | 1836.6 | 1836.6 | 1371.4 | 1371.4 | 139.9 |

| Raritan River and Raritan Bay Loads Summary | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Raritan River Head of Tide | 31455.4 | 31455.4 | 6606.2 | 6606.2 | 18111.3 |
| South River Head of Tide | 3975.0 | 3975.0 | 3975.0 | 3975.0 | 2411.2 |
| Navesink/Shrewbury River Head of Tide | 469.2 | 469.2 | 469.2 | 469.2 | 361.2 |
| Storm Water | 16130.2 | 16130.2 | 14517.2 | 13710.7 | 3301.3 |
| CSO | 1734.6 | 1734.6 | 1734.6 | 1040.8 | 0.0 |
| Oakwood Beach | 2703.0 | 4103.4 | 2703.0 | 2703.0 | |
| Middlesex County | 33824.3 | 46228.6 | 33824.3 | 3148.4 | |
| Atmosphere | 2718.6 | 2718.6 | 2718.6 | 2718.6 | 207.1 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Raritan River Head of Tide | 47768.8 | 47768.8 | 10031.8 | 10031.8 | 27536.3 |
| South River Head of Tide | 6147.4 | 6147.4 | 6147.4 | 6147.4 | 3388.5 |
| Navesink/Shrewbury River Head of Tide | 2062.7 | 2062.7 | 2062.7 | 2062.7 | 1469.3 |
| Storm Water | 20170.8 | 20170.8 | 18153.7 | 17145.2 | 4128.2 |
| CSO | 2169.1 | 2169.1 | 2169.1 | 1301.5 | 0.0 |
| Oakwood Beach | 2702.3 | 4102.4 | 2702.3 | 2702.3 | |
| Middlesex County | 33828.7 | 46234.7 | 33828.7 | 3148.0 | |
| Atmosphere | 2721.4 | 2721.4 | 2721.4 | 2721.4 | 207.3 |

| Hudson River Below Tappan Zee and Upper Bay Loads Summary | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Sawmill River Head of Tide | 259.0 | 259.0 | 251.1 | 251.1 | 83.5 |
| Storm Water | 536.4 | 536.4 | 475.8 | 475.8 | 189.6 |
| CSO | 2493.7 | 2493.7 | 2438.1 | 2438.1 | 0.0 |
| North River | 24197.7 | 26376.6 | 24197.7 | 15611.9 | |
| Owls Head | 18517.7 | 17902.1 | 14800.9 | 12430.2 | |
| Yonkers | 11319.7 | 17972.5 | 11319.7 | 11319.7 | |
| North Bergen Woodcliff | 350.1 | 407.6 | 350.1 | 350.1 | |
| Hoboken | 1854.1 | 3566.5 | 1854.1 | 1676.6 | |
| West New York | 1051.8 | 1170.0 | 1051.8 | 1051.8 | |
| Passaic Valley | 64056.7 | 80904.8 | 64722.2 | 44607.3 | |
| Edgewater | 389.1 | 789.6 | 389.1 | 386.1 | |
| Atmosphere | 755.9 | 755.9 | 564.5 | 564.5 | 57.6 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Sawmill River Head of Tide | 358.1 | 358.1 | 347.2 | 347.2 | 118.9 |
| Storm Water | 681.3 | 681.3 | 604.3 | 604.3 | 252.0 |
| CSO | 3389.9 | 3389.9 | 3305.5 | 3305.5 | 0.0 |
| North River | 24210.1 | 26390.0 | 24210.1 | 15613.7 | |
| Owls Head | 18523.3 | 17907.5 | 14800.9 | 12431.4 | |
| Yonkers | 11321.3 | 17975.1 | 11321.3 | 11321.3 | |
| North Bergen Woodcliff | 350.1 | 407.6 | 350.1 | 350.1 | |
| Hoboken | 1855.8 | 3569.8 | 1855.8 | 1677.9 | |
| West New York | 1052.0 | 1170.2 | 1052.0 | 1052.0 | |
| Passaic Valley | 64022.8 | 80862.3 | 64687.8 | 44608.9 | |
| Edgewater | 389.0 | 789.3 | 389.0 | 385.9 | |
| Atmosphere | 756.6 | 756.6 | 564.9 | 564.9 | 57.6 |

| Hudson River Below Tappan Zee and Upper Bay Loads Summary | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Sawmill River Head of Tide | 734.7 | 734.7 | 734.7 | 734.7 | 545.0 |
| Storm Water | 4867.3 | 4867.3 | 4380.5 | 4380.5 | 1239.1 |
| CSO | 15669.5 | 15669.5 | 15320.1 | 15320.1 | 0.0 |
| North River | 22703.2 | 24754.0 | 22703.2 | 18162.2 | |
| Owls Head | 22131.8 | 21399.5 | 18375.1 | 13792.9 | |
| Yonkers | 11101.9 | 17626.3 | 11101.9 | 9218.8 | |
| North Bergen Woodcliff | 711.2 | 827.7 | 711.2 | 169.6 | |
| Hoboken | 1679.4 | 3232.2 | 1679.4 | 647.7 | |
| West New York | 2515.2 | 2797.2 | 2515.2 | 602.1 | |
| Passaic Valley | 90709.1 | 114681.2 | 93122.5 | 15204.1 | |
| Edgewater | 566.2 | 1148.3 | 566.2 | 199.8 | |
| Atmosphere | 1119.9 | 1119.9 | 1119.9 | 1119.9 | 85.3 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Sawmill River Head of Tide | 1060.0 | 1060.0 | 1060.0 | 1060.0 | 776.0 |
| Storm Water | 6181.7 | 6181.7 | 5563.5 | 5563.5 | 1646.6 |
| CSO | 21300.9 | 21300.9 | 20770.6 | 20770.6 | 0.0 |
| North River | 22713.2 | 24764.8 | 22713.2 | 18164.3 | |
| Owls Head | 22129.3 | 21397.1 | 18393.6 | 13798.9 | |
| Yonkers | 11091.0 | 17609.0 | 11091.0 | 9216.6 | |
| North Bergen Woodcliff | 710.1 | 826.5 | 710.1 | 169.6 | |
| Hoboken | 1678.9 | 3231.3 | 1678.9 | 647.8 | |
| West New York | 2514.1 | 2795.9 | 2514.1 | 601.9 | |
| Passaic Valley | 90704.3 | 114674.8 | 93115.2 | 15204.6 | |
| Edgewater | 566.2 | 1148.4 | 566.2 | 199.7 | |
| Atmosphere | 1121.1 | 1121.1 | 1121.1 | 1121.1 | 85.4 |

| Upper East River, Lower East River, and Harlem River Loads Summary | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 72.1 | 72.1 | 57.1 | 57.1 | 244.9 |
| CSO | 5660.2 | 5660.2 | 1566.4 | 1566.4 | 0.0 |
| Red Hook | 5764.0 | 5764.0 | 1910.3 | 1910.3 | |
| Newtown Creek | 38253.2 | 38253.2 | 18802.4 | 18802.4 | |
| Wards Island | 39041.9 | 39041.9 | 17893.8 | 17893.8 | |
| Bowery Bay | 18536.6 | 18536.6 | 7168.6 | 7168.6 | |
| Hunts Point | 27319.5 | 27319.5 | 11878.0 | 11878.0 | |
| Tallman Island | 7346.3 | 7346.3 | 2845.4 | 2845.4 | |
| Atmosphere | 270.1 | 270.1 | 201.7 | 201.7 | 20.6 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 99.6 | 99.6 | 78.9 | 78.9 | 355.5 |
| CSO | 7983.3 | 7983.3 | 1585.8 | 1585.8 | 0.0 |
| Red Hook | 5765.5 | 5765.5 | 1910.5 | 1910.5 | |
| Newtown Creek | 38269.9 | 38269.9 | 18804.6 | 18804.6 | |
| Wards Island | 39040.1 | 39040.1 | 17895.8 | 17895.8 | |
| Bowery Bay | 18535.6 | 18535.6 | 7169.4 | 7169.4 | |
| Hunts Point | 27328.1 | 27328.1 | 11879.4 | 11879.4 | |
| Tallman Island | 7349.8 | 7349.8 | 2845.7 | 2845.7 | |
| Atmosphere | 270.3 | 270.3 | 201.9 | 201.9 | 20.6 |

| Upper East River, Lower East River, and Harlem River Loads Summary | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 654.5 | 654.5 | 403.0 | 403.0 | 1600.6 |
| CSO | 35566.0 | 35566.0 | 21036.9 | 21036.9 | 0.0 |
| Red Hook | 5075.9 | 5075.9 | 4569.5 | 4569.5 | |
| Newtown Creek | 51958.5 | 51958.5 | 46749.5 | 46749.5 | |
| Wards Island | 26565.7 | 26565.7 | 23912.1 | 23912.1 | |
| Bowery Bay | 10540.8 | 10540.8 | 9485.3 | 9485.3 | |
| Hunts Point | 14324.6 | 14324.6 | 12898.9 | 12898.9 | |
| Tallman Island | 5728.3 | 5728.3 | 5155.4 | 5155.4 | |
| Atmosphere | 400.2 | 400.2 | 400.2 | 400.2 | 30.5 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 903.6 | 903.6 | 555.6 | 555.6 | 2323.3 |
| CSO | 50163.5 | 50163.5 | 29589.5 | 29589.5 | 0.0 |
| Red Hook | 5074.4 | 5074.4 | 4568.2 | 4568.2 | |
| Newtown Creek | 51973.0 | 51973.0 | 46762.6 | 46762.6 | |
| Wards Island | 26552.5 | 26552.5 | 23900.2 | 23900.2 | |
| Bowery Bay | 10522.7 | 10522.7 | 9469.1 | 9469.1 | |
| Hunts Point | 14315.7 | 14315.7 | 12890.9 | 12890.9 | |
| Tallman Island | 5721.6 | 5721.6 | 5149.4 | 5149.4 | |
| Atmosphere | 400.6 | 400.6 | 400.6 | 400.6 | 30.5 |

| Jamaica Bay Loads Summary | | | | | |
|------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 350.3 | 350.3 | 327.0 | 327.0 | 327.4 |
| CSO | 4616.9 | 4616.9 | 4616.9 | 4616.9 | 0.0 |
| 26th Ward | 14126.9 | 14126.9 | 5702.9 | 5702.9 | |
| Jamaica | 17998.9 | 17998.9 | 20694.8 | 20694.8 | |
| Rockaway | 2657.4 | 2657.4 | 2795.6 | 2795.6 | |
| Coney Island | 13424.7 | 13424.7 | 15996.3 | 15996.3 | |
| Atmosphere | 470.8 | 470.8 | 351.6 | 351.6 | 35.9 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 476.7 | 476.7 | 445.0 | 445.0 | 451.2 |
| CSO | 6386.7 | 6386.7 | 6386.7 | 6386.7 | 0.0 |
| 26th Ward | 14123.5 | 14123.5 | 5703.6 | 5703.6 | |
| Jamaica | 17996.8 | 17996.8 | 20697.2 | 20697.2 | |
| Rockaway | 2657.6 | 2657.6 | 2796.0 | 2796.0 | |
| Coney Island | 13427.9 | 13427.9 | 15998.2 | 15998.2 | |
| Atmosphere | 471.2 | 471.2 | 351.9 | 351.9 | 35.9 |

| Jamaica Bay Loads Summary | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Organic Carbon Load (lb/d) | | | | | |
| 1988 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 3178.3 | 3178.3 | 3178.3 | 3178.3 | 2139.3 |
| CSO | 29010.4 | 29010.4 | 29010.4 | 29010.4 | 0.0 |
| 26th Ward | 12779.7 | 12779.7 | 8999.0 | 8999.0 | |
| Jamaica | 16505.3 | 16505.3 | 15198.2 | 15198.2 | |
| Rockaway | 3602.8 | 3602.8 | 2199.5 | 2199.5 | |
| Coney Island | 16784.7 | 16784.7 | 10997.6 | 10997.6 | |
| Atmosphere | 697.5 | 697.5 | 697.5 | 697.5 | 53.1 |
| 1989 Hydrodynamic Conditions | | | | | |
| Source | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Storm Water | 4325.5 | 4325.5 | 4325.5 | 4325.5 | 2948.5 |
| CSO | 40131.2 | 40131.2 | 40131.2 | 40131.2 | 0.0 |
| 26th Ward | 12781.8 | 12781.8 | 9000.0 | 9000.0 | |
| Jamaica | 16504.4 | 16504.4 | 15199.8 | 15199.8 | |
| Rockaway | 3603.8 | 3603.8 | 2199.8 | 2199.8 | |
| Coney Island | 16786.7 | 16786.7 | 10998.8 | 10998.8 | |
| Atmosphere | 698.3 | 698.3 | 698.3 | 698.3 | 53.2 |

| Month | Hackensack River Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12.9 | 12.9 | 12.4 | 12.4 | 4.7 |
| Feb-88 | 409.2 | 409.2 | 394.0 | 394.0 | 141.6 |
| Mar-88 | 377.4 | 377.4 | 363.4 | 363.4 | 115.6 |
| Apr-88 | 32.5 | 32.5 | 31.3 | 31.3 | 15.1 |
| May-88 | 441.5 | 441.5 | 425.0 | 425.0 | 182.9 |
| Jun-88 | 57.6 | 57.6 | 55.4 | 55.4 | 17.4 |
| Jul-88 | 12.4 | 12.4 | 11.9 | 11.9 | 4.2 |
| Aug-88 | 13.4 | 13.4 | 12.9 | 12.9 | 4.6 |
| Sep-88 | 15.8 | 15.8 | 15.2 | 15.2 | 5.4 |
| Oct-88 | 4.7 | 4.7 | 4.6 | 4.6 | 1.6 |
| Nov-88 | 82.7 | 82.7 | 79.7 | 79.7 | 46.1 |
| Dec-88 | 73.0 | 73.0 | 70.3 | 70.3 | 44.6 |
| Jan-89 | 1.8 | 1.8 | 1.8 | 1.8 | 0.7 |
| Feb-89 | 5.9 | 5.9 | 5.7 | 5.7 | 2.0 |
| Mar-89 | 302.7 | 302.7 | 291.5 | 291.5 | 92.7 |
| Apr-89 | 325.9 | 325.9 | 314.0 | 314.0 | 151.3 |
| May-89 | 3162.4 | 3162.4 | 3043.8 | 3043.8 | 1310.1 |
| Jun-89 | 1425.0 | 1425.0 | 1371.6 | 1371.6 | 431.3 |
| Jul-89 | 171.4 | 171.4 | 165.1 | 165.1 | 58.4 |
| Aug-89 | 289.4 | 289.4 | 278.6 | 278.6 | 98.6 |
| Sep-89 | 473.8 | 473.8 | 456.2 | 456.2 | 161.4 |
| Oct-89 | 1153.8 | 1153.8 | 1110.9 | 1110.9 | 393.0 |
| Nov-89 | 199.1 | 199.1 | 191.9 | 191.9 | 110.9 |
| Dec-89 | 16.0 | 16.0 | 15.4 | 15.4 | 9.8 |

| Month | Hackensack River Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 63.7 | 63.7 | 63.7 | 63.7 | 33.9 |
| Feb-88 | 1812.9 | 1812.9 | 1812.9 | 1812.9 | 1016.0 |
| Mar-88 | 1456.2 | 1456.2 | 1456.2 | 1456.2 | 829.9 |
| Apr-88 | 216.9 | 216.9 | 216.9 | 216.9 | 108.0 |
| May-88 | 2696.9 | 2696.9 | 2696.9 | 2696.9 | 1313.0 |
| Jun-88 | 283.1 | 283.1 | 283.1 | 283.1 | 125.2 |
| Jul-88 | 58.6 | 58.6 | 58.6 | 58.6 | 30.3 |
| Aug-88 | 63.3 | 63.3 | 63.3 | 63.3 | 32.8 |
| Sep-88 | 74.5 | 74.5 | 74.5 | 74.5 | 38.5 |
| Oct-88 | 22.4 | 22.4 | 22.4 | 22.4 | 11.6 |
| Nov-88 | 689.6 | 689.6 | 689.6 | 689.6 | 330.9 |
| Dec-88 | 574.1 | 574.1 | 574.1 | 574.1 | 319.7 |
| Jan-89 | 9.1 | 9.1 | 9.1 | 9.1 | 4.9 |
| Feb-89 | 26.1 | 26.1 | 26.1 | 26.1 | 14.6 |
| Mar-89 | 1168.0 | 1168.0 | 1168.0 | 1168.0 | 665.7 |
| Apr-89 | 2178.5 | 2178.5 | 2178.5 | 2178.5 | 1084.3 |
| May-89 | 19315.6 | 19315.6 | 19315.6 | 19315.6 | 9404.2 |
| Jun-89 | 7003.8 | 7003.8 | 7003.8 | 7003.8 | 3096.3 |
| Jul-89 | 809.8 | 809.8 | 809.8 | 809.8 | 419.0 |
| Aug-89 | 1367.0 | 1367.0 | 1367.0 | 1367.0 | 707.3 |
| Sep-89 | 2239.1 | 2239.1 | 2239.1 | 2239.1 | 1158.0 |
| Oct-89 | 5452.2 | 5452.2 | 5452.2 | 5452.2 | 2819.7 |
| Nov-89 | 1660.1 | 1660.1 | 1660.1 | 1660.1 | 796.6 |
| Dec-89 | 125.5 | 125.5 | 125.5 | 125.5 | 69.9 |

| Month | Passaic River Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 7638.1 | 7638.1 | 7201.2 | 7201.2 | 1665.7 |
| Feb-88 | 22647.9 | 22647.9 | 21414.6 | 21414.6 | 3814.4 |
| Mar-88 | 15345.3 | 15345.3 | 13774.0 | 13774.0 | 3187.3 |
| Apr-88 | 7985.4 | 7985.4 | 6715.5 | 6715.5 | 1161.1 |
| May-88 | 35448.3 | 35448.3 | 29887.3 | 29887.3 | 4253.8 |
| Jun-88 | 9614.0 | 9614.0 | 8027.5 | 8027.5 | 983.9 |
| Jul-88 | 14211.6 | 14211.6 | 12902.9 | 12902.9 | 1659.2 |
| Aug-88 | 7119.7 | 7119.7 | 6481.1 | 6481.1 | 831.2 |
| Sep-88 | 6413.5 | 6413.5 | 5842.0 | 5842.0 | 748.8 |
| Oct-88 | 3459.9 | 3459.9 | 3144.5 | 3144.5 | 403.9 |
| Nov-88 | 13752.5 | 13752.5 | 11905.2 | 11905.2 | 2988.3 |
| Dec-88 | 5914.8 | 5914.8 | 5334.0 | 5334.0 | 1140.2 |
| Jan-89 | 6149.2 | 6149.2 | 5797.5 | 5797.5 | 1341.0 |
| Feb-89 | 7755.4 | 7755.4 | 7333.1 | 7333.1 | 1306.2 |
| Mar-89 | 8066.6 | 8066.6 | 7240.6 | 7240.6 | 1675.5 |
| Apr-89 | 28252.3 | 28252.3 | 23759.3 | 23759.3 | 4107.9 |
| May-89 | 98431.4 | 98431.4 | 82989.8 | 82989.8 | 11811.7 |
| Jun-89 | 41190.4 | 41190.4 | 34393.5 | 34393.5 | 4215.7 |
| Jul-89 | 13765.9 | 13765.9 | 12498.3 | 12498.3 | 1607.2 |
| Aug-89 | 9065.9 | 9065.9 | 8252.7 | 8252.7 | 1058.4 |
| Sep-89 | 26168.2 | 26168.2 | 23836.2 | 23836.2 | 3055.1 |
| Oct-89 | 40494.7 | 40494.7 | 36803.3 | 36803.3 | 4727.7 |
| Nov-89 | 15908.1 | 15908.1 | 13771.2 | 13771.2 | 3456.7 |
| Dec-89 | 5344.4 | 5344.4 | 4819.6 | 4819.6 | 1030.2 |

| Month | Passaic River Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 20755.5 | 20755.5 | 2163.0 | 2163.0 | 11470.7 |
| Feb-88 | 39579.1 | 39579.1 | 6380.3 | 6380.3 | 26215.9 |
| Mar-88 | 40242.6 | 40242.6 | 5048.4 | 5048.4 | 21946.4 |
| Apr-88 | 17664.8 | 17664.8 | 1659.6 | 1659.6 | 7992.9 |
| May-88 | 80185.7 | 80185.7 | 5766.7 | 5766.7 | 29276.7 |
| Jun-88 | 21150.8 | 21150.8 | 1240.6 | 1240.6 | 6765.8 |
| Jul-88 | 44950.1 | 44950.1 | 2002.5 | 2002.5 | 11397.1 |
| Aug-88 | 14653.6 | 14653.6 | 825.8 | 825.8 | 5711.5 |
| Sep-88 | 12407.6 | 12407.6 | 814.1 | 814.1 | 5158.4 |
| Oct-88 | 6691.9 | 6691.9 | 436.9 | 436.9 | 2774.4 |
| Nov-88 | 48307.8 | 48307.8 | 3330.7 | 3330.7 | 20565.5 |
| Dec-88 | 16367.0 | 16367.0 | 1524.8 | 1524.8 | 7829.0 |
| Jan-89 | 16709.7 | 16709.7 | 1741.4 | 1741.4 | 9234.7 |
| Feb-89 | 13553.2 | 13553.2 | 2184.8 | 2184.8 | 8977.2 |
| Mar-89 | 21154.4 | 21154.4 | 2653.8 | 2653.8 | 11536.6 |
| Apr-89 | 62498.3 | 62498.3 | 5871.5 | 5871.5 | 28279.0 |
| May-89 | 222656.2 | 222656.2 | 16012.7 | 16012.7 | 81294.4 |
| Jun-89 | 90618.8 | 90618.8 | 5315.5 | 5315.5 | 28987.8 |
| Jul-89 | 43540.5 | 43540.5 | 1939.7 | 1939.7 | 11039.7 |
| Aug-89 | 18659.4 | 18659.4 | 1051.5 | 1051.5 | 7272.7 |
| Sep-89 | 50625.1 | 50625.1 | 3321.6 | 3321.6 | 21047.1 |
| Oct-89 | 78321.7 | 78321.7 | 5113.3 | 5113.3 | 32471.4 |
| Nov-89 | 55879.5 | 55879.5 | 3852.8 | 3852.8 | 23788.9 |
| Dec-89 | 14788.8 | 14788.8 | 1377.7 | 1377.7 | 7074.1 |

| Month | Saddle River Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 943.5 | 943.5 | 907.6 | 907.6 | 68.6 |
| Feb-88 | 2165.1 | 2165.1 | 2083.3 | 2083.3 | 121.5 |
| Mar-88 | 1347.6 | 1347.6 | 1295.6 | 1295.6 | 93.3 |
| Apr-88 | 1327.1 | 1327.1 | 1279.1 | 1279.1 | 64.3 |
| May-88 | 2539.6 | 2539.6 | 2446.4 | 2446.4 | 101.6 |
| Jun-88 | 1351.5 | 1351.5 | 1300.8 | 1300.8 | 46.1 |
| Jul-88 | 2393.8 | 2393.8 | 2304.4 | 2304.4 | 93.2 |
| Aug-88 | 1153.1 | 1153.1 | 1110.1 | 1110.1 | 44.9 |
| Sep-88 | 1230.1 | 1230.1 | 1184.2 | 1184.2 | 47.9 |
| Oct-88 | 1009.5 | 1009.5 | 971.8 | 971.8 | 39.3 |
| Nov-88 | 1789.1 | 1789.1 | 1720.6 | 1720.6 | 129.6 |
| Dec-88 | 866.3 | 866.3 | 835.7 | 835.7 | 55.7 |
| Jan-89 | 698.1 | 698.1 | 671.6 | 671.6 | 50.8 |
| Feb-89 | 1129.0 | 1129.0 | 1086.3 | 1086.3 | 63.4 |
| Mar-89 | 1280.3 | 1280.3 | 1231.0 | 1231.0 | 88.7 |
| Apr-89 | 2183.9 | 2183.9 | 2104.9 | 2104.9 | 105.9 |
| May-89 | 6788.2 | 6788.2 | 6539.2 | 6539.2 | 271.5 |
| Jun-89 | 4234.0 | 4234.0 | 4075.1 | 4075.1 | 144.4 |
| Jul-89 | 2395.7 | 2395.7 | 2306.3 | 2306.3 | 93.3 |
| Aug-89 | 1799.2 | 1799.2 | 1732.0 | 1732.0 | 70.0 |
| Sep-89 | 2915.2 | 2915.2 | 2806.4 | 2806.4 | 113.5 |
| Oct-89 | 3393.2 | 3393.2 | 3266.6 | 3266.6 | 132.1 |
| Nov-89 | 1196.2 | 1196.2 | 1150.4 | 1150.4 | 86.6 |
| Dec-89 | 813.7 | 813.7 | 785.0 | 785.0 | 52.3 |

| Month | Saddle River Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2563.7 | 2563.7 | 2563.7 | 2563.7 | 1414.0 |
| Feb-88 | 3783.7 | 3783.7 | 3783.7 | 3783.7 | 2506.8 |
| Mar-88 | 3534.0 | 3534.0 | 3534.0 | 3534.0 | 1923.5 |
| Apr-88 | 2935.8 | 2935.8 | 2935.8 | 2935.8 | 1326.5 |
| May-88 | 5744.7 | 5744.7 | 5744.7 | 5744.7 | 2095.1 |
| Jun-88 | 2973.4 | 2973.4 | 2973.4 | 2973.4 | 951.7 |
| Jul-88 | 7571.2 | 7571.2 | 7571.2 | 7571.2 | 1921.6 |
| Aug-88 | 2373.3 | 2373.3 | 2373.3 | 2373.3 | 924.8 |
| Sep-88 | 2379.7 | 2379.7 | 2379.7 | 2379.7 | 986.0 |
| Oct-88 | 1952.4 | 1952.4 | 1952.4 | 1952.4 | 809.4 |
| Nov-88 | 6284.3 | 6284.3 | 6284.3 | 6284.3 | 2669.4 |
| Dec-88 | 2397.1 | 2397.1 | 2397.1 | 2397.1 | 1147.3 |
| Jan-89 | 1897.1 | 1897.1 | 1897.1 | 1897.1 | 1046.4 |
| Feb-89 | 1973.0 | 1973.0 | 1973.0 | 1973.0 | 1307.2 |
| Mar-89 | 3357.7 | 3357.7 | 3357.7 | 3357.7 | 1827.5 |
| Apr-89 | 4831.2 | 4831.2 | 4831.2 | 4831.2 | 2182.8 |
| May-89 | 15355.2 | 15355.2 | 15355.2 | 15355.2 | 5600.1 |
| Jun-89 | 9314.8 | 9314.8 | 9314.8 | 9314.8 | 2981.4 |
| Jul-89 | 7577.4 | 7577.4 | 7577.4 | 7577.4 | 1923.2 |
| Aug-89 | 3703.0 | 3703.0 | 3703.0 | 3703.0 | 1443.0 |
| Sep-89 | 5639.8 | 5639.8 | 5639.8 | 5639.8 | 2336.7 |
| Oct-89 | 6562.9 | 6562.9 | 6562.9 | 6562.9 | 2720.8 |
| Nov-89 | 4201.8 | 4201.8 | 4201.8 | 4201.8 | 1784.8 |
| Dec-89 | 2251.5 | 2251.5 | 2251.5 | 2251.5 | 1077.6 |

| Month | Raritan River Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12736.8 | 12736.8 | 11573.3 | 11573.3 | 777.4 |
| Feb-88 | 30622.7 | 30622.7 | 27706.9 | 27706.9 | 2024.1 |
| Mar-88 | 15835.7 | 15835.7 | 14356.6 | 14356.6 | 1055.5 |
| Apr-88 | 8380.4 | 8380.4 | 7213.1 | 7213.1 | 509.6 |
| May-88 | 16680.9 | 16680.9 | 14084.2 | 14084.2 | 1293.6 |
| Jun-88 | 4753.4 | 4753.4 | 4321.9 | 4321.9 | 295.9 |
| Jul-88 | 21395.1 | 21395.1 | 16330.2 | 16330.2 | 1191.0 |
| Aug-88 | 4273.5 | 4273.5 | 3777.4 | 3777.4 | 277.6 |
| Sep-88 | 4769.4 | 4769.4 | 4330.0 | 4330.0 | 309.8 |
| Oct-88 | 3708.0 | 3708.0 | 3366.5 | 3366.5 | 240.9 |
| Nov-88 | 23756.7 | 23756.7 | 21568.5 | 21568.5 | 1543.3 |
| Dec-88 | 10086.9 | 10086.9 | 9172.2 | 9172.2 | 549.7 |
| Jan-89 | 10206.8 | 10206.8 | 9274.6 | 9274.6 | 623.0 |
| Feb-89 | 14800.9 | 14800.9 | 13391.7 | 13391.7 | 978.3 |
| Mar-89 | 17999.3 | 17999.3 | 16318.1 | 16318.1 | 1199.7 |
| Apr-89 | 21407.8 | 21407.8 | 18425.9 | 18425.9 | 1301.7 |
| May-89 | 40873.1 | 40873.1 | 34510.5 | 34510.5 | 3169.8 |
| Jun-89 | 29859.9 | 29859.9 | 27149.3 | 27149.3 | 1858.9 |
| Jul-89 | 18248.7 | 18248.7 | 13928.6 | 13928.6 | 1015.9 |
| Aug-89 | 7020.9 | 7020.9 | 6205.8 | 6205.8 | 456.1 |
| Sep-89 | 27243.0 | 27243.0 | 24733.7 | 24733.7 | 1769.8 |
| Oct-89 | 26091.3 | 26091.3 | 23688.0 | 23688.0 | 1695.0 |
| Nov-89 | 12519.9 | 12519.9 | 11366.7 | 11366.7 | 813.3 |
| Dec-89 | 6175.9 | 6175.9 | 5615.9 | 5615.9 | 336.6 |

| Month | Raritan River Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 21469.4 | 21469.4 | 4510.0 | 4510.0 | 16882.7 |
| Feb-88 | 57171.3 | 57171.3 | 12010.3 | 12010.3 | 43912.4 |
| Mar-88 | 40021.3 | 40021.3 | 8406.7 | 8406.7 | 22911.2 |
| Apr-88 | 17451.1 | 17451.1 | 3667.8 | 3667.8 | 11053.5 |
| May-88 | 46733.4 | 46733.4 | 9807.5 | 9807.5 | 28048.2 |
| Jun-88 | 9834.0 | 9834.0 | 2065.8 | 2065.8 | 6428.4 |
| Jul-88 | 70529.8 | 70529.8 | 14812.4 | 14812.4 | 25851.9 |
| Aug-88 | 10995.6 | 10995.6 | 2309.4 | 2309.4 | 6025.0 |
| Sep-88 | 12274.5 | 12274.5 | 2577.7 | 2577.7 | 6727.7 |
| Oct-88 | 9543.0 | 9543.0 | 2004.1 | 2004.1 | 5230.6 |
| Nov-88 | 61140.4 | 61140.4 | 12839.9 | 12839.9 | 33511.6 |
| Dec-88 | 21149.9 | 21149.9 | 4441.3 | 4441.3 | 11942.2 |
| Jan-89 | 17204.9 | 17204.9 | 3614.2 | 3614.2 | 13529.3 |
| Feb-89 | 27632.7 | 27632.7 | 5804.9 | 5804.9 | 21224.3 |
| Mar-89 | 45489.1 | 45489.1 | 9555.3 | 9555.3 | 26041.4 |
| Apr-89 | 44578.7 | 44578.7 | 9369.3 | 9369.3 | 28236.2 |
| May-89 | 114511.0 | 114511.0 | 24031.4 | 24031.4 | 68726.4 |
| Jun-89 | 61774.9 | 61774.9 | 12977.1 | 12977.1 | 40381.9 |
| Jul-89 | 60157.4 | 60157.4 | 12634.1 | 12634.1 | 22050.1 |
| Aug-89 | 18064.5 | 18064.5 | 3794.1 | 3794.1 | 9898.5 |
| Sep-89 | 70112.7 | 70112.7 | 14724.2 | 14724.2 | 38429.4 |
| Oct-89 | 67148.5 | 67148.5 | 14101.7 | 14101.7 | 36804.7 |
| Nov-89 | 32221.3 | 32221.3 | 6766.7 | 6766.7 | 17660.8 |
| Dec-89 | 12949.4 | 12949.4 | 2719.3 | 2719.3 | 7311.8 |

| Month | South River Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2543.3 | 2543.3 | 2332.3 | 2332.3 | 517.8 |
| Feb-88 | 4556.8 | 4556.8 | 4164.4 | 4164.4 | 1005.4 |
| Mar-88 | 2406.9 | 2406.9 | 2204.1 | 2204.1 | 535.3 |
| Apr-88 | 2023.3 | 2023.3 | 1855.4 | 1855.4 | 410.5 |
| May-88 | 2104.6 | 2104.6 | 1928.1 | 1928.1 | 545.4 |
| Jun-88 | 952.7 | 952.7 | 874.4 | 874.4 | 198.3 |
| Jul-88 | 1783.2 | 1783.2 | 1634.7 | 1634.7 | 331.2 |
| Aug-88 | 824.1 | 824.1 | 755.4 | 755.4 | 179.0 |
| Sep-88 | 774.4 | 774.4 | 710.0 | 710.0 | 167.9 |
| Oct-88 | 433.5 | 433.5 | 397.5 | 397.5 | 94.0 |
| Nov-88 | 1477.2 | 1477.2 | 1354.4 | 1354.4 | 320.3 |
| Dec-88 | 953.1 | 953.1 | 873.8 | 873.8 | 173.4 |
| Jan-89 | 954.1 | 954.1 | 875.0 | 875.0 | 194.3 |
| Feb-89 | 1274.5 | 1274.5 | 1164.7 | 1164.7 | 281.2 |
| Mar-89 | 1516.0 | 1516.0 | 1388.3 | 1388.3 | 337.2 |
| Apr-89 | 1866.6 | 1866.6 | 1711.6 | 1711.6 | 378.7 |
| May-89 | 2727.5 | 2727.5 | 2498.7 | 2498.7 | 706.9 |
| Jun-89 | 2371.3 | 2371.3 | 2176.3 | 2176.3 | 493.5 |
| Jul-89 | 3379.2 | 3379.2 | 3097.8 | 3097.8 | 627.6 |
| Aug-89 | 2182.8 | 2182.8 | 2000.9 | 2000.9 | 474.1 |
| Sep-89 | 3488.8 | 3488.8 | 3198.6 | 3198.6 | 756.3 |
| Oct-89 | 4287.2 | 4287.2 | 3930.6 | 3930.6 | 929.4 |
| Nov-89 | 3182.9 | 3182.9 | 2918.2 | 2918.2 | 690.0 |
| Dec-89 | 2020.4 | 2020.4 | 1852.3 | 1852.3 | 367.6 |

| Month | South River Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4287.1 | 4287.1 | 4287.1 | 4287.1 | 3370.0 |
| Feb-88 | 8507.4 | 8507.4 | 8507.4 | 8507.4 | 6530.1 |
| Mar-88 | 6082.9 | 6082.9 | 6082.9 | 6082.9 | 3488.3 |
| Apr-88 | 4213.3 | 4213.3 | 4213.3 | 4213.3 | 2670.8 |
| May-88 | 5896.4 | 5896.4 | 5896.4 | 5896.4 | 3538.4 |
| Jun-88 | 1971.0 | 1971.0 | 1971.0 | 1971.0 | 1286.4 |
| Jul-88 | 5878.5 | 5878.5 | 5878.5 | 5878.5 | 2156.9 |
| Aug-88 | 2120.4 | 2120.4 | 2120.4 | 2120.4 | 1161.1 |
| Sep-88 | 1993.0 | 1993.0 | 1993.0 | 1993.0 | 1093.0 |
| Oct-88 | 1115.7 | 1115.7 | 1115.7 | 1115.7 | 611.9 |
| Nov-88 | 3801.8 | 3801.8 | 3801.8 | 3801.8 | 2085.0 |
| Dec-88 | 1998.4 | 1998.4 | 1998.4 | 1998.4 | 1128.0 |
| Jan-89 | 1608.2 | 1608.2 | 1608.2 | 1608.2 | 1264.2 |
| Feb-89 | 2379.4 | 2379.4 | 2379.4 | 2379.4 | 1826.4 |
| Mar-89 | 3831.3 | 3831.3 | 3831.3 | 3831.3 | 2197.1 |
| Apr-89 | 3886.9 | 3886.9 | 3886.9 | 3886.9 | 2463.8 |
| May-89 | 7641.4 | 7641.4 | 7641.4 | 7641.4 | 4585.6 |
| Jun-89 | 4905.7 | 4905.7 | 4905.7 | 4905.7 | 3201.8 |
| Jul-89 | 11139.6 | 11139.6 | 11139.6 | 11139.6 | 4087.3 |
| Aug-89 | 5616.4 | 5616.4 | 5616.4 | 5616.4 | 3075.3 |
| Sep-89 | 8978.8 | 8978.8 | 8978.8 | 8978.8 | 4924.1 |
| Oct-89 | 11033.4 | 11033.4 | 11033.4 | 11033.4 | 6050.8 |
| Nov-89 | 8191.5 | 8191.5 | 8191.5 | 8191.5 | 4492.3 |
| Dec-89 | 4236.2 | 4236.2 | 4236.2 | 4236.2 | 2391.1 |

| Month | Navesink/Shrewbury River Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 356.0 | 356.0 | 353.0 | 353.0 | 118.3 |
| Feb-88 | 847.4 | 847.4 | 839.9 | 839.9 | 279.6 |
| Mar-88 | 388.7 | 388.7 | 385.2 | 385.2 | 138.2 |
| Apr-88 | 202.8 | 202.8 | 201.0 | 201.0 | 75.7 |
| May-88 | 342.1 | 342.1 | 339.1 | 339.1 | 136.2 |
| Jun-88 | 26.6 | 26.6 | 26.4 | 26.4 | 10.2 |
| Jul-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sep-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oct-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nov-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dec-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Jan-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Feb-89 | 12.2 | 12.2 | 12.0 | 12.0 | 4.0 |
| Mar-89 | 398.8 | 398.8 | 395.2 | 395.2 | 141.8 |
| Apr-89 | 442.2 | 442.2 | 438.2 | 438.2 | 165.0 |
| May-89 | 1263.3 | 1263.3 | 1252.2 | 1252.2 | 503.0 |
| Jun-89 | 801.8 | 801.8 | 794.4 | 794.4 | 308.8 |
| Jul-89 | 1049.8 | 1049.8 | 1040.2 | 1040.2 | 394.6 |
| Aug-89 | 674.6 | 674.6 | 668.8 | 668.8 | 263.5 |
| Sep-89 | 528.5 | 528.5 | 523.7 | 523.7 | 199.6 |
| Oct-89 | 1562.3 | 1562.3 | 1548.2 | 1548.2 | 550.2 |
| Nov-89 | 860.1 | 860.1 | 852.7 | 852.7 | 337.4 |
| Dec-89 | 443.6 | 443.6 | 439.7 | 439.7 | 155.8 |

| Month | Navesink/Shrewbury River Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 892.5 | 892.5 | 892.5 | 892.5 | 683.8 |
| Feb-88 | 2112.7 | 2112.7 | 2112.7 | 2112.7 | 1617.7 |
| Mar-88 | 1012.9 | 1012.9 | 1012.9 | 1012.9 | 800.0 |
| Apr-88 | 563.6 | 563.6 | 563.6 | 563.6 | 437.7 |
| May-88 | 1017.7 | 1017.7 | 1017.7 | 1017.7 | 786.8 |
| Jun-88 | 97.4 | 97.4 | 97.4 | 97.4 | 59.3 |
| Jul-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Aug-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Sep-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Oct-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nov-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Dec-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Jan-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Feb-89 | 30.3 | 30.3 | 30.3 | 30.3 | 23.2 |
| Mar-89 | 1039.1 | 1039.1 | 1039.1 | 1039.1 | 820.7 |
| Apr-89 | 1228.8 | 1228.8 | 1228.8 | 1228.8 | 954.3 |
| May-89 | 3758.4 | 3758.4 | 3758.4 | 3758.4 | 2905.6 |
| Jun-89 | 2934.5 | 2934.5 | 2934.5 | 2934.5 | 1788.5 |
| Jul-89 | 3183.1 | 3183.1 | 3183.1 | 3183.1 | 2277.7 |
| Aug-89 | 2309.9 | 2309.9 | 2309.9 | 2309.9 | 1527.3 |
| Sep-89 | 1549.9 | 1549.9 | 1549.9 | 1549.9 | 1155.9 |
| Oct-89 | 4628.2 | 4628.2 | 4628.2 | 4628.2 | 3187.3 |
| Nov-89 | 2723.1 | 2723.1 | 2723.1 | 2723.1 | 1950.3 |
| Dec-89 | 1175.8 | 1175.8 | 1175.8 | 1175.8 | 900.3 |

| Month | Sawmill River Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 271.6 | 271.6 | 263.4 | 263.4 | 80.0 |
| Feb-88 | 625.9 | 625.9 | 606.7 | 606.7 | 183.1 |
| Mar-88 | 356.3 | 356.3 | 345.2 | 345.2 | 112.3 |
| Apr-88 | 197.7 | 197.7 | 191.7 | 191.7 | 65.4 |
| May-88 | 327.9 | 327.9 | 317.8 | 317.8 | 115.6 |
| Jun-88 | 138.2 | 138.2 | 134.0 | 134.0 | 47.2 |
| Jul-88 | 218.5 | 218.5 | 211.8 | 211.8 | 72.7 |
| Aug-88 | 87.8 | 87.8 | 85.1 | 85.1 | 30.5 |
| Sep-88 | 106.6 | 106.6 | 103.2 | 103.2 | 35.7 |
| Oct-88 | 105.3 | 105.3 | 102.1 | 102.1 | 32.9 |
| Nov-88 | 472.6 | 472.6 | 458.2 | 458.2 | 164.3 |
| Dec-88 | 219.8 | 219.8 | 213.2 | 213.2 | 68.4 |
| Jan-89 | 222.0 | 222.0 | 215.3 | 215.3 | 65.4 |
| Feb-89 | 277.4 | 277.4 | 268.9 | 268.9 | 81.1 |
| Mar-89 | 373.8 | 373.8 | 362.2 | 362.2 | 117.8 |
| Apr-89 | 501.9 | 501.9 | 486.8 | 486.8 | 166.1 |
| May-89 | 1076.6 | 1076.6 | 1043.6 | 1043.6 | 379.5 |
| Jun-89 | 431.2 | 431.2 | 418.0 | 418.0 | 147.2 |
| Jul-89 | 225.2 | 225.2 | 218.3 | 218.3 | 74.9 |
| Aug-89 | 199.4 | 199.4 | 193.3 | 193.3 | 69.2 |
| Sep-89 | 166.8 | 166.8 | 161.6 | 161.6 | 55.8 |
| Oct-89 | 340.2 | 340.2 | 329.7 | 329.7 | 106.4 |
| Nov-89 | 335.4 | 335.4 | 325.2 | 325.2 | 116.6 |
| Dec-89 | 140.0 | 140.0 | 135.7 | 135.7 | 43.5 |

| Month | Sawmill River Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 681.1 | 681.1 | 681.1 | 681.1 | 521.8 |
| Feb-88 | 1560.3 | 1560.3 | 1560.3 | 1560.3 | 1194.7 |
| Mar-88 | 928.3 | 928.3 | 928.3 | 928.3 | 733.2 |
| Apr-88 | 549.4 | 549.4 | 549.4 | 549.4 | 426.6 |
| May-88 | 975.4 | 975.4 | 975.4 | 975.4 | 754.1 |
| Jun-88 | 505.8 | 505.8 | 505.8 | 505.8 | 308.3 |
| Jul-88 | 662.7 | 662.7 | 662.7 | 662.7 | 474.2 |
| Aug-88 | 300.6 | 300.6 | 300.6 | 300.6 | 198.7 |
| Sep-88 | 312.6 | 312.6 | 312.6 | 312.6 | 233.1 |
| Oct-88 | 312.0 | 312.0 | 312.0 | 312.0 | 214.9 |
| Nov-88 | 1496.2 | 1496.2 | 1496.2 | 1496.2 | 1071.6 |
| Dec-88 | 582.6 | 582.6 | 582.6 | 582.6 | 446.1 |
| Jan-89 | 556.6 | 556.6 | 556.6 | 556.6 | 426.5 |
| Feb-89 | 691.5 | 691.5 | 691.5 | 691.5 | 529.5 |
| Mar-89 | 974.0 | 974.0 | 974.0 | 974.0 | 769.2 |
| Apr-89 | 1395.0 | 1395.0 | 1395.0 | 1395.0 | 1083.3 |
| May-89 | 3202.9 | 3202.9 | 3202.9 | 3202.9 | 2476.2 |
| Jun-89 | 1578.1 | 1578.1 | 1578.1 | 1578.1 | 961.8 |
| Jul-89 | 682.7 | 682.7 | 682.7 | 682.7 | 488.5 |
| Aug-89 | 682.6 | 682.6 | 682.6 | 682.6 | 451.3 |
| Sep-89 | 489.3 | 489.3 | 489.3 | 489.3 | 364.9 |
| Oct-89 | 1007.8 | 1007.8 | 1007.8 | 1007.8 | 694.0 |
| Nov-89 | 1061.8 | 1061.8 | 1061.8 | 1061.8 | 760.5 |
| Dec-89 | 371.0 | 371.0 | 371.0 | 371.0 | 284.0 |

| Month | Hackensack River Total Nitrogen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 1.25 | 1.25 | 1.20 | 1.20 | 0.46 |
| Feb-88 | 1.33 | 1.33 | 1.28 | 1.28 | 0.46 |
| Mar-88 | 1.50 | 1.50 | 1.44 | 1.44 | 0.46 |
| Apr-88 | 0.99 | 0.99 | 0.95 | 0.95 | 0.46 |
| May-88 | 1.11 | 1.11 | 1.07 | 1.07 | 0.46 |
| Jun-88 | 1.52 | 1.52 | 1.46 | 1.46 | 0.46 |
| Jul-88 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Aug-88 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Sep-88 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Oct-88 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Nov-88 | 0.83 | 0.83 | 0.80 | 0.80 | 0.46 |
| Dec-88 | 0.75 | 0.75 | 0.72 | 0.72 | 0.46 |
| Jan-89 | 1.25 | 1.25 | 1.20 | 1.20 | 0.46 |
| Feb-89 | 1.33 | 1.33 | 1.28 | 1.28 | 0.46 |
| Mar-89 | 1.50 | 1.50 | 1.44 | 1.44 | 0.46 |
| Apr-89 | 0.99 | 0.99 | 0.95 | 0.95 | 0.46 |
| May-89 | 1.11 | 1.11 | 1.07 | 1.07 | 0.46 |
| Jun-89 | 1.52 | 1.52 | 1.46 | 1.46 | 0.46 |
| Jul-89 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Aug-89 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Sep-89 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Oct-89 | 1.35 | 1.35 | 1.30 | 1.30 | 0.46 |
| Nov-89 | 0.83 | 0.83 | 0.80 | 0.80 | 0.46 |
| Dec-89 | 0.75 | 0.75 | 0.72 | 0.72 | 0.46 |

| Month | Hackensack River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 6.19 | 6.19 | 6.19 | 6.19 | 3.30 |
| Feb-88 | 5.89 | 5.89 | 5.89 | 5.89 | 3.30 |
| Mar-88 | 5.79 | 5.79 | 5.79 | 5.79 | 3.30 |
| Apr-88 | 6.62 | 6.62 | 6.62 | 6.62 | 3.30 |
| May-88 | 6.78 | 6.78 | 6.78 | 6.78 | 3.30 |
| Jun-88 | 7.47 | 7.47 | 7.47 | 7.47 | 3.30 |
| Jul-88 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Aug-88 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Sep-88 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Oct-88 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Nov-88 | 6.88 | 6.88 | 6.88 | 6.88 | 3.30 |
| Dec-88 | 5.92 | 5.92 | 5.92 | 5.92 | 3.30 |
| Jan-89 | 6.19 | 6.19 | 6.19 | 6.19 | 3.30 |
| Feb-89 | 5.89 | 5.89 | 5.89 | 5.89 | 3.30 |
| Mar-89 | 5.79 | 5.79 | 5.79 | 5.79 | 3.30 |
| Apr-89 | 6.62 | 6.62 | 6.62 | 6.62 | 3.30 |
| May-89 | 6.78 | 6.78 | 6.78 | 6.78 | 3.30 |
| Jun-89 | 7.47 | 7.47 | 7.47 | 7.47 | 3.30 |
| Jul-89 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Aug-89 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Sep-89 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Oct-89 | 6.38 | 6.38 | 6.38 | 6.38 | 3.30 |
| Nov-89 | 6.88 | 6.88 | 6.88 | 6.88 | 3.30 |
| Dec-89 | 5.92 | 5.92 | 5.92 | 5.92 | 3.30 |

| Month | Hackensack River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Feb-88 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Mar-88 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Apr-88 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| May-88 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Jun-88 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| Jul-88 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Aug-88 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Sep-88 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Oct-88 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Nov-88 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Dec-88 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Jan-89 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Feb-89 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Mar-89 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Apr-89 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| May-89 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Jun-89 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| Jul-89 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Aug-89 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Sep-89 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Oct-89 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Nov-89 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Dec-89 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |

| Month | Passaic River Total Nitrogen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2.20 | 2.20 | 2.08 | 2.08 | 0.48 |
| Feb-88 | 2.85 | 2.85 | 2.69 | 2.69 | 0.48 |
| Mar-88 | 2.31 | 2.31 | 2.07 | 2.07 | 0.48 |
| Apr-88 | 3.30 | 3.30 | 2.78 | 2.78 | 0.48 |
| May-88 | 4.00 | 4.00 | 3.37 | 3.37 | 0.48 |
| Jun-88 | 4.69 | 4.69 | 3.92 | 3.92 | 0.48 |
| Jul-88 | 4.11 | 4.11 | 3.73 | 3.73 | 0.48 |
| Aug-88 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Sep-88 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Oct-88 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Nov-88 | 2.21 | 2.21 | 1.91 | 1.91 | 0.48 |
| Dec-88 | 2.49 | 2.49 | 2.25 | 2.25 | 0.48 |
| Jan-89 | 2.20 | 2.20 | 2.08 | 2.08 | 0.48 |
| Feb-89 | 2.85 | 2.85 | 2.69 | 2.69 | 0.48 |
| Mar-89 | 2.31 | 2.31 | 2.07 | 2.07 | 0.48 |
| Apr-89 | 3.30 | 3.30 | 2.78 | 2.78 | 0.48 |
| May-89 | 4.00 | 4.00 | 3.37 | 3.37 | 0.48 |
| Jun-89 | 4.69 | 4.69 | 3.92 | 3.92 | 0.48 |
| Jul-89 | 4.11 | 4.11 | 3.73 | 3.73 | 0.48 |
| Aug-89 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Sep-89 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Oct-89 | 4.11 | 4.11 | 3.74 | 3.74 | 0.48 |
| Nov-89 | 2.21 | 2.21 | 1.91 | 1.91 | 0.48 |
| Dec-89 | 2.49 | 2.49 | 2.25 | 2.25 | 0.48 |

| Month | Passaic River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 5.98 | 5.98 | 0.62 | 0.62 | 3.31 |
| Feb-88 | 4.98 | 4.98 | 0.80 | 0.80 | 3.30 |
| Mar-88 | 6.06 | 6.06 | 0.76 | 0.76 | 3.30 |
| Apr-88 | 7.30 | 7.30 | 0.69 | 0.69 | 3.30 |
| May-88 | 9.05 | 9.05 | 0.65 | 0.65 | 3.30 |
| Jun-88 | 10.32 | 10.32 | 0.61 | 0.61 | 3.30 |
| Jul-88 | 13.00 | 13.00 | 0.58 | 0.58 | 3.30 |
| Aug-88 | 8.46 | 8.46 | 0.48 | 0.48 | 3.30 |
| Sep-88 | 7.95 | 7.95 | 0.52 | 0.52 | 3.31 |
| Oct-88 | 7.95 | 7.95 | 0.52 | 0.52 | 3.30 |
| Nov-88 | 7.76 | 7.76 | 0.54 | 0.54 | 3.30 |
| Dec-88 | 6.89 | 6.89 | 0.64 | 0.64 | 3.30 |
| Jan-89 | 5.98 | 5.98 | 0.62 | 0.62 | 3.31 |
| Feb-89 | 4.98 | 4.98 | 0.80 | 0.80 | 3.30 |
| Mar-89 | 6.06 | 6.06 | 0.76 | 0.76 | 3.30 |
| Apr-89 | 7.30 | 7.30 | 0.69 | 0.69 | 3.30 |
| May-89 | 9.05 | 9.05 | 0.65 | 0.65 | 3.30 |
| Jun-89 | 10.32 | 10.32 | 0.61 | 0.61 | 3.30 |
| Jul-89 | 13.00 | 13.00 | 0.58 | 0.58 | 3.30 |
| Aug-89 | 8.46 | 8.46 | 0.48 | 0.48 | 3.30 |
| Sep-89 | 7.95 | 7.95 | 0.52 | 0.52 | 3.31 |
| Oct-89 | 7.95 | 7.95 | 0.52 | 0.52 | 3.30 |
| Nov-89 | 7.76 | 7.76 | 0.54 | 0.54 | 3.30 |
| Dec-89 | 6.89 | 6.89 | 0.64 | 0.64 | 3.30 |

| Month | Passaic River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 10.0 | 10.0 | 11.1 | 11.1 | 11.1 |
| Feb-88 | 11.0 | 11.0 | 13.8 | 13.8 | 13.8 |
| Mar-88 | 11.0 | 11.0 | 13.7 | 13.7 | 13.7 |
| Apr-88 | 10.5 | 10.5 | 12.3 | 12.3 | 12.3 |
| May-88 | 5.0 | 5.0 | 11.0 | 11.0 | 11.0 |
| Jun-88 | 5.5 | 5.5 | 10.5 | 10.5 | 10.5 |
| Jul-88 | 6.0 | 6.0 | 10.1 | 10.1 | 10.1 |
| Aug-88 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 |
| Sep-88 | 6.0 | 6.0 | 10.2 | 10.2 | 10.2 |
| Oct-88 | 6.0 | 6.0 | 10.5 | 10.5 | 10.5 |
| Nov-88 | 10.0 | 10.0 | 10.6 | 10.6 | 10.6 |
| Dec-88 | 13.0 | 13.0 | 11.2 | 11.2 | 11.2 |
| Jan-89 | 10.0 | 10.0 | 11.1 | 11.1 | 11.1 |
| Feb-89 | 11.0 | 11.0 | 13.8 | 13.8 | 13.8 |
| Mar-89 | 11.0 | 11.0 | 13.7 | 13.7 | 13.7 |
| Apr-89 | 10.5 | 10.5 | 12.3 | 12.3 | 12.3 |
| May-89 | 5.0 | 5.0 | 11.0 | 11.0 | 11.0 |
| Jun-89 | 5.5 | 5.5 | 10.5 | 10.5 | 10.5 |
| Jul-89 | 6.0 | 6.0 | 10.1 | 10.1 | 10.1 |
| Aug-89 | 7.0 | 7.0 | 10.0 | 10.0 | 10.0 |
| Sep-89 | 6.0 | 6.0 | 10.2 | 10.2 | 10.2 |
| Oct-89 | 6.0 | 6.0 | 10.5 | 10.5 | 10.5 |
| Nov-89 | 10.0 | 10.0 | 10.6 | 10.6 | 10.6 |
| Dec-89 | 13.0 | 13.0 | 11.2 | 11.2 | 11.2 |

| Month | Saddle River Total Nitrogen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2.20 | 2.20 | 2.12 | 2.12 | 0.16 |
| Feb-88 | 2.85 | 2.85 | 2.74 | 2.74 | 0.16 |
| Mar-88 | 2.31 | 2.31 | 2.22 | 2.22 | 0.16 |
| Apr-88 | 3.30 | 3.30 | 3.18 | 3.18 | 0.16 |
| May-88 | 4.00 | 4.00 | 3.85 | 3.85 | 0.16 |
| Jun-88 | 4.69 | 4.69 | 4.51 | 4.51 | 0.16 |
| Jul-88 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Aug-88 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Sep-88 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Oct-88 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Nov-88 | 2.21 | 2.21 | 2.12 | 2.12 | 0.16 |
| Dec-88 | 2.49 | 2.49 | 2.40 | 2.40 | 0.16 |
| Jan-89 | 2.20 | 2.20 | 2.12 | 2.12 | 0.16 |
| Feb-89 | 2.85 | 2.85 | 2.74 | 2.74 | 0.16 |
| Mar-89 | 2.31 | 2.31 | 2.22 | 2.22 | 0.16 |
| Apr-89 | 3.30 | 3.30 | 3.18 | 3.18 | 0.16 |
| May-89 | 4.00 | 4.00 | 3.85 | 3.85 | 0.16 |
| Jun-89 | 4.69 | 4.69 | 4.51 | 4.51 | 0.16 |
| Jul-89 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Aug-89 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Sep-89 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Oct-89 | 4.11 | 4.11 | 3.96 | 3.96 | 0.16 |
| Nov-89 | 2.21 | 2.21 | 2.12 | 2.12 | 0.16 |
| Dec-89 | 2.49 | 2.49 | 2.40 | 2.40 | 0.16 |

| Month | Saddle River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 5.98 | 5.98 | 5.98 | 5.98 | 3.30 |
| Feb-88 | 4.98 | 4.98 | 4.98 | 4.98 | 3.30 |
| Mar-88 | 6.06 | 6.06 | 6.06 | 6.06 | 3.30 |
| Apr-88 | 7.30 | 7.30 | 7.30 | 7.30 | 3.30 |
| May-88 | 9.05 | 9.05 | 9.05 | 9.05 | 3.30 |
| Jun-88 | 10.32 | 10.32 | 10.32 | 10.32 | 3.30 |
| Jul-88 | 13.00 | 13.00 | 13.00 | 13.00 | 3.30 |
| Aug-88 | 8.46 | 8.46 | 8.46 | 8.46 | 3.30 |
| Sep-88 | 7.95 | 7.95 | 7.95 | 7.95 | 3.29 |
| Oct-88 | 7.95 | 7.95 | 7.95 | 7.95 | 3.30 |
| Nov-88 | 7.76 | 7.76 | 7.76 | 7.76 | 3.30 |
| Dec-88 | 6.89 | 6.89 | 6.89 | 6.89 | 3.30 |
| Jan-89 | 5.98 | 5.98 | 5.98 | 5.98 | 3.30 |
| Feb-89 | 4.98 | 4.98 | 4.98 | 4.98 | 3.30 |
| Mar-89 | 6.06 | 6.06 | 6.06 | 6.06 | 3.30 |
| Apr-89 | 7.30 | 7.30 | 7.30 | 7.30 | 3.30 |
| May-89 | 9.05 | 9.05 | 9.05 | 9.05 | 3.30 |
| Jun-89 | 10.32 | 10.32 | 10.32 | 10.32 | 3.30 |
| Jul-89 | 13.00 | 13.00 | 13.00 | 13.00 | 3.30 |
| Aug-89 | 8.46 | 8.46 | 8.46 | 8.46 | 3.30 |
| Sep-89 | 7.95 | 7.95 | 7.95 | 7.95 | 3.29 |
| Oct-89 | 7.95 | 7.95 | 7.95 | 7.95 | 3.30 |
| Nov-89 | 7.76 | 7.76 | 7.76 | 7.76 | 3.30 |
| Dec-89 | 6.89 | 6.89 | 6.89 | 6.89 | 3.30 |

| Month | Saddle River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Feb-88 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Mar-88 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Apr-88 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| May-88 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Jun-88 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Jul-88 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Aug-88 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Sep-88 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Oct-88 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Nov-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-88 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |
| Jan-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Feb-89 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Mar-89 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Apr-89 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 |
| May-89 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Jun-89 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| Jul-89 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Aug-89 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| Sep-89 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Oct-89 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| Nov-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-89 | 13.0 | 13.0 | 13.0 | 13.0 | 13.0 |

| Month | Raritan River Total Nitrogen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2.49 | 2.49 | 2.26 | 2.26 | 0.15 |
| Feb-88 | 2.30 | 2.30 | 2.08 | 2.08 | 0.15 |
| Mar-88 | 2.28 | 2.28 | 2.07 | 2.07 | 0.15 |
| Apr-88 | 2.50 | 2.50 | 2.15 | 2.15 | 0.15 |
| May-88 | 1.96 | 1.96 | 1.66 | 1.66 | 0.15 |
| Jun-88 | 2.44 | 2.44 | 2.22 | 2.22 | 0.15 |
| Jul-88 | 2.73 | 2.73 | 2.08 | 2.08 | 0.15 |
| Aug-88 | 2.34 | 2.34 | 2.07 | 2.07 | 0.15 |
| Sep-88 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Oct-88 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Nov-88 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Dec-88 | 2.79 | 2.79 | 2.54 | 2.54 | 0.15 |
| Jan-89 | 2.49 | 2.49 | 2.26 | 2.26 | 0.15 |
| Feb-89 | 2.30 | 2.30 | 2.08 | 2.08 | 0.15 |
| Mar-89 | 2.28 | 2.28 | 2.07 | 2.07 | 0.15 |
| Apr-89 | 2.50 | 2.50 | 2.15 | 2.15 | 0.15 |
| May-89 | 1.96 | 1.96 | 1.66 | 1.66 | 0.15 |
| Jun-89 | 2.44 | 2.44 | 2.22 | 2.22 | 0.15 |
| Jul-89 | 2.73 | 2.73 | 2.08 | 2.08 | 0.15 |
| Aug-89 | 2.34 | 2.34 | 2.07 | 2.07 | 0.15 |
| Sep-89 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Oct-89 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Nov-89 | 2.34 | 2.34 | 2.12 | 2.12 | 0.15 |
| Dec-89 | 2.79 | 2.79 | 2.54 | 2.54 | 0.15 |

| Month | Raritan River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4.20 | 4.20 | 0.88 | 0.88 | 3.30 |
| Feb-88 | 4.29 | 4.29 | 0.90 | 0.90 | 3.30 |
| Mar-88 | 5.76 | 5.76 | 1.21 | 1.21 | 3.30 |
| Apr-88 | 5.21 | 5.21 | 1.09 | 1.09 | 3.30 |
| May-88 | 5.49 | 5.49 | 1.15 | 1.15 | 3.30 |
| Jun-88 | 5.05 | 5.05 | 1.06 | 1.06 | 3.30 |
| Jul-88 | 9.00 | 9.00 | 1.89 | 1.89 | 3.30 |
| Aug-88 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Sep-88 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Oct-88 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Nov-88 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Dec-88 | 5.85 | 5.85 | 1.23 | 1.23 | 3.30 |
| Jan-89 | 4.20 | 4.20 | 0.88 | 0.88 | 3.30 |
| Feb-89 | 4.29 | 4.29 | 0.90 | 0.90 | 3.30 |
| Mar-89 | 5.76 | 5.76 | 1.21 | 1.21 | 3.30 |
| Apr-89 | 5.21 | 5.21 | 1.09 | 1.09 | 3.30 |
| May-89 | 5.49 | 5.49 | 1.15 | 1.15 | 3.30 |
| Jun-89 | 5.05 | 5.05 | 1.06 | 1.06 | 3.30 |
| Jul-89 | 9.00 | 9.00 | 1.89 | 1.89 | 3.30 |
| Aug-89 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Sep-89 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Oct-89 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Nov-89 | 6.02 | 6.02 | 1.26 | 1.26 | 3.30 |
| Dec-89 | 5.85 | 5.85 | 1.23 | 1.23 | 3.30 |

| Month | Raritan River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Feb-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Mar-88 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| Apr-88 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| May-88 | 3.5 | 3.5 | 8.0 | 8.0 | 8.0 |
| Jun-88 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 |
| Jul-88 | 7.0 | 7.0 | 8.0 | 8.0 | 8.0 |
| Aug-88 | 4.5 | 4.5 | 8.0 | 8.0 | 8.0 |
| Sep-88 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Oct-88 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Nov-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Jan-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Feb-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Mar-89 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| Apr-89 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| May-89 | 3.5 | 3.5 | 8.0 | 8.0 | 8.0 |
| Jun-89 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 |
| Jul-89 | 7.0 | 7.0 | 8.0 | 8.0 | 8.0 |
| Aug-89 | 4.5 | 4.5 | 8.0 | 8.0 | 8.0 |
| Sep-89 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Oct-89 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Nov-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |

| Month | South River Total Nitrogen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2.49 | 2.49 | 2.28 | 2.28 | 0.51 |
| Feb-88 | 2.30 | 2.30 | 2.10 | 2.10 | 0.51 |
| Mar-88 | 2.28 | 2.28 | 2.09 | 2.09 | 0.51 |
| Apr-88 | 2.50 | 2.50 | 2.29 | 2.29 | 0.51 |
| May-88 | 1.96 | 1.96 | 1.80 | 1.80 | 0.51 |
| Jun-88 | 2.44 | 2.44 | 2.24 | 2.24 | 0.51 |
| Jul-88 | 2.73 | 2.73 | 2.50 | 2.50 | 0.51 |
| Aug-88 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Sep-88 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Oct-88 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Nov-88 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Dec-88 | 2.79 | 2.79 | 2.56 | 2.56 | 0.51 |
| Jan-89 | 2.49 | 2.49 | 2.28 | 2.28 | 0.51 |
| Feb-89 | 2.30 | 2.30 | 2.10 | 2.10 | 0.51 |
| Mar-89 | 2.28 | 2.28 | 2.09 | 2.09 | 0.51 |
| Apr-89 | 2.50 | 2.50 | 2.29 | 2.29 | 0.51 |
| May-89 | 1.96 | 1.96 | 1.80 | 1.80 | 0.51 |
| Jun-89 | 2.44 | 2.44 | 2.24 | 2.24 | 0.51 |
| Jul-89 | 2.73 | 2.73 | 2.50 | 2.50 | 0.51 |
| Aug-89 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Sep-89 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Oct-89 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Nov-89 | 2.34 | 2.34 | 2.14 | 2.14 | 0.51 |
| Dec-89 | 2.79 | 2.79 | 2.56 | 2.56 | 0.51 |

| Month | South River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4.20 | 4.20 | 4.20 | 4.20 | 3.30 |
| Feb-88 | 4.29 | 4.29 | 4.29 | 4.29 | 3.30 |
| Mar-88 | 5.76 | 5.76 | 5.76 | 5.76 | 3.30 |
| Apr-88 | 5.21 | 5.21 | 5.21 | 5.21 | 3.30 |
| May-88 | 5.49 | 5.49 | 5.49 | 5.49 | 3.30 |
| Jun-88 | 5.05 | 5.05 | 5.05 | 5.05 | 3.30 |
| Jul-88 | 9.00 | 9.00 | 9.00 | 9.00 | 3.30 |
| Aug-88 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Sep-88 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Oct-88 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Nov-88 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Dec-88 | 5.85 | 5.85 | 5.85 | 5.85 | 3.30 |
| Jan-89 | 4.20 | 4.20 | 4.20 | 4.20 | 3.30 |
| Feb-89 | 4.29 | 4.29 | 4.29 | 4.29 | 3.30 |
| Mar-89 | 5.76 | 5.76 | 5.76 | 5.76 | 3.30 |
| Apr-89 | 5.21 | 5.21 | 5.21 | 5.21 | 3.30 |
| May-89 | 5.49 | 5.49 | 5.49 | 5.49 | 3.30 |
| Jun-89 | 5.05 | 5.05 | 5.05 | 5.05 | 3.30 |
| Jul-89 | 9.00 | 9.00 | 9.00 | 9.00 | 3.30 |
| Aug-89 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Sep-89 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Oct-89 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Nov-89 | 6.02 | 6.02 | 6.02 | 6.02 | 3.30 |
| Dec-89 | 5.85 | 5.85 | 5.85 | 5.85 | 3.30 |

| Month | South River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Feb-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Mar-88 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| Apr-88 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| May-88 | 3.5 | 3.5 | 8.0 | 8.0 | 8.0 |
| Jun-88 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 |
| Jul-88 | 7.0 | 7.0 | 8.0 | 8.0 | 8.0 |
| Aug-88 | 4.5 | 4.5 | 8.0 | 8.0 | 8.0 |
| Sep-88 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Oct-88 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Nov-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-88 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Jan-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Feb-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |
| Mar-89 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| Apr-89 | 14.0 | 14.0 | 14.0 | 14.0 | 14.0 |
| May-89 | 3.5 | 3.5 | 8.0 | 8.0 | 8.0 |
| Jun-89 | 5.3 | 5.3 | 8.0 | 8.0 | 8.0 |
| Jul-89 | 7.0 | 7.0 | 8.0 | 8.0 | 8.0 |
| Aug-89 | 4.5 | 4.5 | 8.0 | 8.0 | 8.0 |
| Sep-89 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Oct-89 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Nov-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Dec-89 | 12.0 | 12.0 | 12.0 | 12.0 | 12.0 |

| Month | Navesink/Shrewbury River Total Nitrogen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 1.72 | 1.72 | 1.70 | 1.70 | 0.57 |
| Feb-88 | 1.73 | 1.73 | 1.71 | 1.71 | 0.57 |
| Mar-88 | 1.60 | 1.60 | 1.59 | 1.59 | 0.57 |
| Apr-88 | 1.53 | 1.53 | 1.51 | 1.51 | 0.57 |
| May-88 | 1.43 | 1.43 | 1.42 | 1.42 | 0.57 |
| Jun-88 | 1.48 | 1.48 | 1.47 | 1.47 | 0.57 |
| Jul-88 | 1.52 | 1.52 | 1.51 | 1.51 | 0.57 |
| Aug-88 | 1.46 | 1.46 | 1.44 | 1.44 | 0.57 |
| Sep-88 | 1.51 | 1.51 | 1.50 | 1.50 | 0.57 |
| Oct-88 | 1.62 | 1.62 | 1.60 | 1.60 | 0.57 |
| Nov-88 | 1.45 | 1.45 | 1.44 | 1.44 | 0.57 |
| Dec-88 | 1.62 | 1.62 | 1.61 | 1.61 | 0.57 |
| Jan-89 | 1.72 | 1.72 | 1.70 | 1.70 | 0.57 |
| Feb-89 | 1.73 | 1.73 | 1.71 | 1.71 | 0.57 |
| Mar-89 | 1.60 | 1.60 | 1.59 | 1.59 | 0.57 |
| Apr-89 | 1.53 | 1.53 | 1.51 | 1.51 | 0.57 |
| May-89 | 1.43 | 1.43 | 1.42 | 1.42 | 0.57 |
| Jun-89 | 1.48 | 1.48 | 1.47 | 1.47 | 0.57 |
| Jul-89 | 1.52 | 1.52 | 1.51 | 1.51 | 0.57 |
| Aug-89 | 1.46 | 1.46 | 1.44 | 1.44 | 0.57 |
| Sep-89 | 1.51 | 1.51 | 1.50 | 1.50 | 0.57 |
| Oct-89 | 1.62 | 1.62 | 1.60 | 1.60 | 0.57 |
| Nov-89 | 1.45 | 1.45 | 1.44 | 1.44 | 0.57 |
| Dec-89 | 1.62 | 1.62 | 1.61 | 1.61 | 0.57 |

| Month | Navesink/Shrewbury River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4.30 | 4.30 | 4.30 | 4.30 | 3.30 |
| Feb-88 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Mar-88 | 4.18 | 4.18 | 4.18 | 4.18 | 3.30 |
| Apr-88 | 4.25 | 4.25 | 4.25 | 4.25 | 3.30 |
| May-88 | 4.27 | 4.27 | 4.27 | 4.27 | 3.30 |
| Jun-88 | 5.42 | 5.42 | 5.42 | 5.42 | 3.30 |
| Jul-88 | 4.61 | 4.61 | 4.61 | 4.61 | 3.30 |
| Aug-88 | 4.99 | 4.99 | 4.99 | 4.99 | 3.30 |
| Sep-88 | 4.43 | 4.43 | 4.43 | 4.43 | 3.30 |
| Oct-88 | 4.79 | 4.79 | 4.79 | 4.79 | 3.30 |
| Nov-88 | 4.60 | 4.60 | 4.60 | 4.60 | 3.30 |
| Dec-88 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Jan-89 | 4.30 | 4.30 | 4.30 | 4.30 | 3.30 |
| Feb-89 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Mar-89 | 4.18 | 4.18 | 4.18 | 4.18 | 3.30 |
| Apr-89 | 4.25 | 4.25 | 4.25 | 4.25 | 3.30 |
| May-89 | 4.27 | 4.27 | 4.27 | 4.27 | 3.30 |
| Jun-89 | 5.42 | 5.42 | 5.42 | 5.42 | 3.30 |
| Jul-89 | 4.61 | 4.61 | 4.61 | 4.61 | 3.30 |
| Aug-89 | 4.99 | 4.99 | 4.99 | 4.99 | 3.30 |
| Sep-89 | 4.43 | 4.43 | 4.43 | 4.43 | 3.30 |
| Oct-89 | 4.79 | 4.79 | 4.79 | 4.79 | 3.30 |
| Nov-89 | 4.60 | 4.60 | 4.60 | 4.60 | 3.30 |
| Dec-89 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |

| Month | Navesink/Shrewbury River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| Feb-88 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Mar-88 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| Apr-88 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| May-88 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Jun-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Jul-88 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| Aug-88 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| Sep-88 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Oct-88 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Nov-88 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| Dec-88 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| Jan-89 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| Feb-89 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Mar-89 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| Apr-89 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| May-89 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Jun-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Jul-89 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| Aug-89 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| Sep-89 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Oct-89 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Nov-89 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| Dec-89 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |

| Month | Sawmill River Total Nitrogen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 1.72 | 1.72 | 1.66 | 1.66 | 0.51 |
| Feb-88 | 1.73 | 1.73 | 1.68 | 1.68 | 0.51 |
| Mar-88 | 1.60 | 1.60 | 1.55 | 1.55 | 0.51 |
| Apr-88 | 1.53 | 1.53 | 1.48 | 1.48 | 0.51 |
| May-88 | 1.43 | 1.43 | 1.39 | 1.39 | 0.51 |
| Jun-88 | 1.48 | 1.48 | 1.44 | 1.44 | 0.51 |
| Jul-88 | 1.52 | 1.52 | 1.47 | 1.47 | 0.51 |
| Aug-88 | 1.46 | 1.46 | 1.41 | 1.41 | 0.51 |
| Sep-88 | 1.51 | 1.51 | 1.46 | 1.46 | 0.51 |
| Oct-88 | 1.62 | 1.62 | 1.57 | 1.57 | 0.51 |
| Nov-88 | 1.45 | 1.45 | 1.41 | 1.41 | 0.51 |
| Dec-88 | 1.62 | 1.62 | 1.58 | 1.58 | 0.51 |
| Jan-89 | 1.72 | 1.72 | 1.66 | 1.66 | 0.51 |
| Feb-89 | 1.73 | 1.73 | 1.68 | 1.68 | 0.51 |
| Mar-89 | 1.60 | 1.60 | 1.55 | 1.55 | 0.51 |
| Apr-89 | 1.53 | 1.53 | 1.48 | 1.48 | 0.51 |
| May-89 | 1.43 | 1.43 | 1.39 | 1.39 | 0.51 |
| Jun-89 | 1.48 | 1.48 | 1.44 | 1.44 | 0.51 |
| Jul-89 | 1.52 | 1.52 | 1.47 | 1.47 | 0.51 |
| Aug-89 | 1.46 | 1.46 | 1.41 | 1.41 | 0.51 |
| Sep-89 | 1.51 | 1.51 | 1.46 | 1.46 | 0.51 |
| Oct-89 | 1.62 | 1.62 | 1.57 | 1.57 | 0.51 |
| Nov-89 | 1.45 | 1.45 | 1.41 | 1.41 | 0.51 |
| Dec-89 | 1.62 | 1.62 | 1.58 | 1.58 | 0.51 |

| Month | Sawmill River Total Organic Carbon Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4.30 | 4.30 | 4.30 | 4.30 | 3.30 |
| Feb-88 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Mar-88 | 4.18 | 4.18 | 4.18 | 4.18 | 3.30 |
| Apr-88 | 4.25 | 4.25 | 4.25 | 4.25 | 3.30 |
| May-88 | 4.27 | 4.27 | 4.27 | 4.27 | 3.30 |
| Jun-88 | 5.42 | 5.42 | 5.42 | 5.42 | 3.30 |
| Jul-88 | 4.61 | 4.61 | 4.61 | 4.61 | 3.30 |
| Aug-88 | 4.99 | 4.99 | 4.99 | 4.99 | 3.30 |
| Sep-88 | 4.43 | 4.43 | 4.43 | 4.43 | 3.30 |
| Oct-88 | 4.79 | 4.79 | 4.79 | 4.79 | 3.30 |
| Nov-88 | 4.60 | 4.60 | 4.60 | 4.60 | 3.30 |
| Dec-88 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Jan-89 | 4.30 | 4.30 | 4.30 | 4.30 | 3.30 |
| Feb-89 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |
| Mar-89 | 4.18 | 4.18 | 4.18 | 4.18 | 3.30 |
| Apr-89 | 4.25 | 4.25 | 4.25 | 4.25 | 3.30 |
| May-89 | 4.27 | 4.27 | 4.27 | 4.27 | 3.30 |
| Jun-89 | 5.42 | 5.42 | 5.42 | 5.42 | 3.30 |
| Jul-89 | 4.61 | 4.61 | 4.61 | 4.61 | 3.30 |
| Aug-89 | 4.99 | 4.99 | 4.99 | 4.99 | 3.30 |
| Sep-89 | 4.43 | 4.43 | 4.43 | 4.43 | 3.30 |
| Oct-89 | 4.79 | 4.79 | 4.79 | 4.79 | 3.30 |
| Nov-89 | 4.60 | 4.60 | 4.60 | 4.60 | 3.30 |
| Dec-89 | 4.31 | 4.31 | 4.31 | 4.31 | 3.30 |

| Month | Sawmill River Dissolved Oxygen Concentration (mg/L) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| Feb-88 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Mar-88 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| Apr-88 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| May-88 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Jun-88 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Jul-88 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| Aug-88 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| Sep-88 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Oct-88 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Nov-88 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| Dec-88 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |
| Jan-89 | 13.4 | 13.4 | 13.4 | 13.4 | 13.4 |
| Feb-89 | 13.6 | 13.6 | 13.6 | 13.6 | 13.6 |
| Mar-89 | 14.9 | 14.9 | 14.9 | 14.9 | 14.9 |
| Apr-89 | 11.5 | 11.5 | 11.5 | 11.5 | 11.5 |
| May-89 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 |
| Jun-89 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| Jul-89 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| Aug-89 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| Sep-89 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Oct-89 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| Nov-89 | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| Dec-89 | 12.6 | 12.6 | 12.6 | 12.6 | 12.6 |

| Month | Hackensack River Storm Water Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|---------------------------------|-------------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 57876 | 57876 | 51336 | 43226 | 16448 |
| Feb-88 | 64481 | 64481 | 57195 | 48160 | 18325 |
| Mar-88 | 33027 | 33027 | 29295 | 24667 | 9386 |
| Apr-88 | 29410 | 29410 | 26086 | 21966 | 8358 |
| May-88 | 90117 | 90117 | 79933 | 67306 | 25610 |
| Jun-88 | 16042 | 16042 | 14229 | 11981 | 4559 |
| Jul-88 | 156643 | 156643 | 138941 | 116993 | 44516 |
| Aug-88 | 27994 | 27994 | 24831 | 20908 | 7956 |
| Sep-88 | 26107 | 26107 | 23157 | 19499 | 7419 |
| Oct-88 | 37745 | 37745 | 33480 | 28191 | 10727 |
| Nov-88 | 119998 | 119998 | 106438 | 89624 | 34102 |
| Dec-88 | 15255 | 15255 | 13531 | 11394 | 4335 |
| Jan-89 | 29567 | 29567 | 26226 | 22083 | 8403 |
| Feb-89 | 42149 | 42149 | 37386 | 31480 | 11978 |
| Mar-89 | 69357 | 69357 | 61519 | 51801 | 19710 |
| Apr-89 | 50327 | 50327 | 44640 | 37588 | 14302 |
| May-89 | 138871 | 138871 | 123178 | 103720 | 39465 |
| Jun-89 | 83669 | 83669 | 74214 | 62490 | 23777 |
| Jul-89 | 81938 | 81938 | 72679 | 61198 | 23286 |
| Aug-89 | 109461 | 109461 | 97092 | 81754 | 31107 |
| Sep-89 | 101283 | 101283 | 89838 | 75646 | 28783 |
| Oct-89 | 84769 | 84769 | 75190 | 63313 | 24090 |
| Nov-89 | 39790 | 39790 | 35293 | 29718 | 11308 |
| Dec-89 | 10223 | 10223 | 9067 | 7635 | 2905 |

| Month | Hackensack River Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 525150 | 525150 | 472636 | 446378 | 107479 |
| Feb-88 | 585086 | 585086 | 526578 | 497323 | 119746 |
| Mar-88 | 299678 | 299678 | 269710 | 254727 | 61333 |
| Apr-88 | 266856 | 266856 | 240171 | 226828 | 54616 |
| May-88 | 817693 | 817693 | 735924 | 695040 | 167352 |
| Jun-88 | 145558 | 145558 | 131002 | 123724 | 29790 |
| Jul-88 | 1421333 | 1421333 | 1279200 | 1208131 | 290895 |
| Aug-88 | 254013 | 254013 | 228612 | 215911 | 51987 |
| Sep-88 | 236889 | 236889 | 213199 | 201355 | 48482 |
| Oct-88 | 342490 | 342490 | 308240 | 291116 | 70095 |
| Nov-88 | 1088831 | 1088831 | 979948 | 925506 | 222844 |
| Dec-88 | 138423 | 138423 | 124580 | 117659 | 28330 |
| Jan-89 | 268284 | 268284 | 241455 | 228041 | 54908 |
| Feb-89 | 382446 | 382446 | 344202 | 325079 | 78273 |
| Mar-89 | 629324 | 629324 | 566392 | 534926 | 128800 |
| Apr-89 | 456652 | 456652 | 410988 | 388155 | 93460 |
| May-89 | 1260076 | 1260076 | 1134067 | 1071064 | 257892 |
| Jun-89 | 759185 | 759185 | 683267 | 645307 | 155378 |
| Jul-89 | 743487 | 743487 | 669139 | 631964 | 152165 |
| Aug-89 | 993220 | 993220 | 893897 | 844236 | 203276 |
| Sep-89 | 919013 | 919013 | 827111 | 781161 | 188089 |
| Oct-89 | 769174 | 769174 | 692257 | 653798 | 157422 |
| Nov-89 | 361041 | 361041 | 324937 | 306885 | 73892 |
| Dec-89 | 92757 | 92757 | 83482 | 78844 | 18984 |

| Month | Hackensack River CSO Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 27816 | 27816 | 27816 | 20862 | 0 |
| Feb-88 | 30990 | 30990 | 30990 | 23243 | 0 |
| Mar-88 | 15873 | 15873 | 15873 | 11905 | 0 |
| Apr-88 | 14135 | 14135 | 14135 | 10601 | 0 |
| May-88 | 43311 | 43311 | 43311 | 32483 | 0 |
| Jun-88 | 7710 | 7710 | 7710 | 5782 | 0 |
| Jul-88 | 75283 | 75283 | 75283 | 56463 | 0 |
| Aug-88 | 13454 | 13454 | 13454 | 10091 | 0 |
| Sep-88 | 12547 | 12547 | 12547 | 9410 | 0 |
| Oct-88 | 18141 | 18141 | 18141 | 13605 | 0 |
| Nov-88 | 57672 | 57672 | 57672 | 43254 | 0 |
| Dec-88 | 7332 | 7332 | 7332 | 5499 | 0 |
| Jan-89 | 14210 | 14210 | 14210 | 10658 | 0 |
| Feb-89 | 20257 | 20257 | 20257 | 15193 | 0 |
| Mar-89 | 33333 | 33333 | 33333 | 25000 | 0 |
| Apr-89 | 24187 | 24187 | 24187 | 18141 | 0 |
| May-89 | 66742 | 66742 | 66742 | 50057 | 0 |
| Jun-89 | 40212 | 40212 | 40212 | 30159 | 0 |
| Jul-89 | 39380 | 39380 | 39380 | 29535 | 0 |
| Aug-89 | 52608 | 52608 | 52608 | 39456 | 0 |
| Sep-89 | 48677 | 48677 | 48677 | 36508 | 0 |
| Oct-89 | 40741 | 40741 | 40741 | 30556 | 0 |
| Nov-89 | 19123 | 19123 | 19123 | 14342 | 0 |
| Dec-89 | 4913 | 4913 | 4913 | 3685 | 0 |

| Hackensack River CSO Total Organic Carbon Load (lb) | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 174780 | 174780 | 174780 | 104868 | 0 | |
| Feb-88 | 194728 | 194728 | 194728 | 116837 | 0 | |
| Mar-88 | 99739 | 99739 | 99739 | 59843 | 0 | |
| Apr-88 | 88815 | 88815 | 88815 | 53289 | 0 | |
| May-88 | 272144 | 272144 | 272144 | 163287 | 0 | |
| Jun-88 | 48445 | 48445 | 48445 | 29067 | 0 | |
| Jul-88 | 473047 | 473047 | 473047 | 283828 | 0 | |
| Aug-88 | 84541 | 84541 | 84541 | 50724 | 0 | |
| Sep-88 | 78841 | 78841 | 78841 | 47305 | 0 | |
| Oct-88 | 113987 | 113987 | 113987 | 68392 | 0 | |
| Nov-88 | 362384 | 362384 | 362384 | 217430 | 0 | |
| Dec-88 | 46070 | 46070 | 46070 | 27642 | 0 | |
| Jan-89 | 89290 | 89290 | 89290 | 53574 | 0 | |
| Feb-89 | 127286 | 127286 | 127286 | 76371 | 0 | |
| Mar-89 | 209451 | 209451 | 209451 | 125671 | 0 | |
| Apr-89 | 151983 | 151983 | 151983 | 91190 | 0 | |
| May-89 | 419378 | 419378 | 419378 | 251626 | 0 | |
| Jun-89 | 252671 | 252671 | 252671 | 151603 | 0 | |
| Jul-89 | 247447 | 247447 | 247447 | 148468 | 0 | |
| Aug-89 | 330563 | 330563 | 330563 | 198338 | 0 | |
| Sep-89 | 305866 | 305866 | 305866 | 183519 | 0 | |
| Oct-89 | 255996 | 255996 | 255996 | 153598 | 0 | |
| Nov-89 | 120162 | 120162 | 120162 | 72097 | 0 | |
| Dec-89 | 30872 | 30872 | 30872 | 18523 | 0 | |

| Month | Passaic River Storm Water Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|---------------------------------|-------------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 36081 | 36081 | 32004 | 26948 | 10254 |
| Feb-88 | 40199 | 40199 | 35657 | 30024 | 11424 |
| Mar-88 | 20590 | 20590 | 18263 | 15378 | 5851 |
| Apr-88 | 18335 | 18335 | 16263 | 13694 | 5211 |
| May-88 | 56181 | 56181 | 49832 | 41960 | 15966 |
| Jun-88 | 10001 | 10001 | 8871 | 7469 | 2842 |
| Jul-88 | 97655 | 97655 | 86620 | 72937 | 27752 |
| Aug-88 | 17452 | 17452 | 15480 | 13035 | 4960 |
| Sep-88 | 16276 | 16276 | 14437 | 12156 | 4625 |
| Oct-88 | 23531 | 23531 | 20872 | 17575 | 6687 |
| Nov-88 | 74810 | 74810 | 66356 | 55874 | 21260 |
| Dec-88 | 9511 | 9511 | 8436 | 7103 | 2703 |
| Jan-89 | 18433 | 18433 | 16350 | 13767 | 5238 |
| Feb-89 | 26277 | 26277 | 23307 | 19625 | 7467 |
| Mar-89 | 43239 | 43239 | 38353 | 32294 | 12288 |
| Apr-89 | 31375 | 31375 | 27830 | 23433 | 8916 |
| May-89 | 86576 | 86576 | 76792 | 64662 | 24604 |
| Jun-89 | 52161 | 52161 | 46267 | 38958 | 14824 |
| Jul-89 | 51083 | 51083 | 45310 | 38153 | 14517 |
| Aug-89 | 68241 | 68241 | 60529 | 50968 | 19393 |
| Sep-89 | 63142 | 63142 | 56007 | 47160 | 17944 |
| Oct-89 | 52847 | 52847 | 46875 | 39471 | 15019 |
| Nov-89 | 24806 | 24806 | 22003 | 18527 | 7050 |
| Dec-89 | 6373 | 6373 | 5653 | 4760 | 1811 |

| Month | Passaic River Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 327392 | 327392 | 294653 | 278283 | 67005 |
| Feb-88 | 364758 | 364758 | 328282 | 310044 | 74653 |
| Mar-88 | 186827 | 186827 | 168144 | 158803 | 38237 |
| Apr-88 | 166365 | 166365 | 149728 | 141411 | 34049 |
| May-88 | 509771 | 509771 | 458794 | 433305 | 104332 |
| Jun-88 | 90745 | 90745 | 81670 | 77133 | 18572 |
| Jul-88 | 886093 | 886093 | 797484 | 753180 | 181351 |
| Aug-88 | 158358 | 158358 | 142522 | 134604 | 32410 |
| Sep-88 | 147682 | 147682 | 132914 | 125530 | 30225 |
| Oct-88 | 213517 | 213517 | 192165 | 181489 | 43699 |
| Nov-88 | 678805 | 678805 | 610925 | 576983 | 138927 |
| Dec-88 | 86296 | 86296 | 77667 | 73352 | 17662 |
| Jan-89 | 167254 | 167254 | 150529 | 142166 | 34231 |
| Feb-89 | 238427 | 238427 | 214584 | 202663 | 48797 |
| Mar-89 | 392337 | 392337 | 353104 | 333486 | 80297 |
| Apr-89 | 284689 | 284689 | 256220 | 241985 | 58265 |
| May-89 | 785563 | 785563 | 707007 | 667729 | 160777 |
| Jun-89 | 473295 | 473295 | 425966 | 402301 | 96867 |
| Jul-89 | 463509 | 463509 | 417158 | 393983 | 94864 |
| Aug-89 | 619197 | 619197 | 557278 | 526318 | 126727 |
| Sep-89 | 572936 | 572936 | 515642 | 486996 | 117259 |
| Oct-89 | 479522 | 479522 | 431570 | 407595 | 98141 |
| Nov-89 | 225082 | 225082 | 202574 | 191320 | 46066 |
| Dec-89 | 57827 | 57827 | 52045 | 49153 | 11835 |

| Month | Passaic River CSO Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 30971 | 30971 | 30971 | 23228 | 0 |
| Feb-88 | 34505 | 34505 | 34505 | 25879 | 0 |
| Mar-88 | 17673 | 17673 | 17673 | 13255 | 0 |
| Apr-88 | 15738 | 15738 | 15738 | 11803 | 0 |
| May-88 | 48223 | 48223 | 48223 | 36167 | 0 |
| Jun-88 | 8584 | 8584 | 8584 | 6438 | 0 |
| Jul-88 | 83823 | 83823 | 83823 | 62867 | 0 |
| Aug-88 | 14980 | 14980 | 14980 | 11235 | 0 |
| Sep-88 | 13970 | 13970 | 13970 | 10478 | 0 |
| Oct-88 | 20198 | 20198 | 20198 | 15149 | 0 |
| Nov-88 | 64213 | 64213 | 64213 | 48160 | 0 |
| Dec-88 | 8163 | 8163 | 8163 | 6123 | 0 |
| Jan-89 | 15822 | 15822 | 15822 | 11866 | 0 |
| Feb-89 | 22555 | 22555 | 22555 | 16916 | 0 |
| Mar-89 | 37114 | 37114 | 37114 | 27836 | 0 |
| Apr-89 | 26931 | 26931 | 26931 | 20198 | 0 |
| May-89 | 74313 | 74313 | 74313 | 55734 | 0 |
| Jun-89 | 44773 | 44773 | 44773 | 33580 | 0 |
| Jul-89 | 43847 | 43847 | 43847 | 32885 | 0 |
| Aug-89 | 58575 | 58575 | 58575 | 43931 | 0 |
| Sep-89 | 54199 | 54199 | 54199 | 40649 | 0 |
| Oct-89 | 45362 | 45362 | 45362 | 34021 | 0 |
| Nov-89 | 21292 | 21292 | 21292 | 15969 | 0 |
| Dec-89 | 5470 | 5470 | 5470 | 4103 | 0 |

| Month | Passaic River CSO Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 194605 | 194605 | 194605 | 116763 | 0 |
| Feb-88 | 216816 | 216816 | 216816 | 130089 | 0 |
| Mar-88 | 111052 | 111052 | 111052 | 66631 | 0 |
| Apr-88 | 98889 | 98889 | 98889 | 59333 | 0 |
| May-88 | 303013 | 303013 | 303013 | 181808 | 0 |
| Jun-88 | 53939 | 53939 | 53939 | 32364 | 0 |
| Jul-88 | 526704 | 526704 | 526704 | 316022 | 0 |
| Aug-88 | 94130 | 94130 | 94130 | 56478 | 0 |
| Sep-88 | 87784 | 87784 | 87784 | 52670 | 0 |
| Oct-88 | 126916 | 126916 | 126916 | 76150 | 0 |
| Nov-88 | 403489 | 403489 | 403489 | 242093 | 0 |
| Dec-88 | 51295 | 51295 | 51295 | 30777 | 0 |
| Jan-89 | 99418 | 99418 | 99418 | 59651 | 0 |
| Feb-89 | 141723 | 141723 | 141723 | 85034 | 0 |
| Mar-89 | 233209 | 233209 | 233209 | 139925 | 0 |
| Apr-89 | 169222 | 169222 | 169222 | 101533 | 0 |
| May-89 | 466947 | 466947 | 466947 | 280168 | 0 |
| Jun-89 | 281332 | 281332 | 281332 | 168799 | 0 |
| Jul-89 | 275515 | 275515 | 275515 | 165309 | 0 |
| Aug-89 | 368058 | 368058 | 368058 | 220835 | 0 |
| Sep-89 | 340559 | 340559 | 340559 | 204336 | 0 |
| Oct-89 | 285033 | 285033 | 285033 | 171020 | 0 |
| Nov-89 | 133791 | 133791 | 133791 | 80275 | 0 |
| Dec-89 | 34373 | 34373 | 34373 | 20624 | 0 |

| Month | Newark Bay Storm Water Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|---------------------------------|-------------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 9759 | 9759 | 8656 | 7289 | 2773 |
| Feb-88 | 10873 | 10873 | 9644 | 8121 | 3090 |
| Mar-88 | 5569 | 5569 | 4940 | 4159 | 1583 |
| Apr-88 | 4959 | 4959 | 4399 | 3704 | 1409 |
| May-88 | 15195 | 15195 | 13478 | 11349 | 4318 |
| Jun-88 | 2705 | 2705 | 2399 | 2020 | 769 |
| Jul-88 | 26413 | 26413 | 23428 | 19727 | 7506 |
| Aug-88 | 4720 | 4720 | 4187 | 3526 | 1341 |
| Sep-88 | 4402 | 4402 | 3905 | 3288 | 1251 |
| Oct-88 | 6364 | 6364 | 5645 | 4753 | 1809 |
| Nov-88 | 20234 | 20234 | 17947 | 15112 | 5750 |
| Dec-88 | 2572 | 2572 | 2282 | 1921 | 731 |
| Jan-89 | 4986 | 4986 | 4422 | 3724 | 1417 |
| Feb-89 | 7107 | 7107 | 6304 | 5308 | 2020 |
| Mar-89 | 11695 | 11695 | 10373 | 8735 | 3323 |
| Apr-89 | 8486 | 8486 | 7527 | 6338 | 2412 |
| May-89 | 23416 | 23416 | 20770 | 17489 | 6655 |
| Jun-89 | 14108 | 14108 | 12514 | 10537 | 4009 |
| Jul-89 | 13816 | 13816 | 12255 | 10319 | 3926 |
| Aug-89 | 18457 | 18457 | 16371 | 13785 | 5245 |
| Sep-89 | 17078 | 17078 | 15148 | 12755 | 4853 |
| Oct-89 | 14294 | 14294 | 12678 | 10676 | 4062 |
| Nov-89 | 6709 | 6709 | 5951 | 5011 | 1907 |
| Dec-89 | 1724 | 1724 | 1529 | 1287 | 490 |

| Month | Newark Bay Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 88549 | 88549 | 79694 | 75267 | 18123 |
| Feb-88 | 98655 | 98655 | 88790 | 83857 | 20191 |
| Mar-88 | 50531 | 50531 | 45478 | 42951 | 10342 |
| Apr-88 | 44996 | 44996 | 40497 | 38247 | 9209 |
| May-88 | 137877 | 137877 | 124089 | 117195 | 28218 |
| Jun-88 | 24543 | 24543 | 22089 | 20862 | 5023 |
| Jul-88 | 239660 | 239660 | 215694 | 203711 | 49050 |
| Aug-88 | 42831 | 42831 | 38548 | 36406 | 8766 |
| Sep-88 | 39943 | 39943 | 35949 | 33952 | 8175 |
| Oct-88 | 57749 | 57749 | 51975 | 49087 | 11819 |
| Nov-88 | 183595 | 183595 | 165236 | 156056 | 37575 |
| Dec-88 | 23340 | 23340 | 21006 | 19839 | 4777 |
| Jan-89 | 45237 | 45237 | 40713 | 38451 | 9258 |
| Feb-89 | 64487 | 64487 | 58038 | 54814 | 13198 |
| Mar-89 | 106114 | 106114 | 95503 | 90197 | 21718 |
| Apr-89 | 76999 | 76999 | 69299 | 65449 | 15759 |
| May-89 | 212470 | 212470 | 191223 | 180599 | 43485 |
| Jun-89 | 128011 | 128011 | 115210 | 108810 | 26199 |
| Jul-89 | 125364 | 125364 | 112828 | 106560 | 25658 |
| Aug-89 | 167473 | 167473 | 150726 | 142352 | 34276 |
| Sep-89 | 154961 | 154961 | 139465 | 131717 | 31715 |
| Oct-89 | 129696 | 129696 | 116726 | 110241 | 26544 |
| Nov-89 | 60877 | 60877 | 54790 | 51746 | 12459 |
| Dec-89 | 15640 | 15640 | 14076 | 13294 | 3201 |

| Month | Newark Bay CSO Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 10040 | 10040 | 10040 | 7530 | 0 |
| Feb-88 | 11186 | 11186 | 11186 | 8389 | 0 |
| Mar-88 | 5729 | 5729 | 5729 | 4297 | 0 |
| Apr-88 | 5102 | 5102 | 5102 | 3826 | 0 |
| May-88 | 15633 | 15633 | 15633 | 11725 | 0 |
| Jun-88 | 2783 | 2783 | 2783 | 2087 | 0 |
| Jul-88 | 27173 | 27173 | 27173 | 20380 | 0 |
| Aug-88 | 4856 | 4856 | 4856 | 3642 | 0 |
| Sep-88 | 4529 | 4529 | 4529 | 3397 | 0 |
| Oct-88 | 6548 | 6548 | 6548 | 4911 | 0 |
| Nov-88 | 20816 | 20816 | 20816 | 15612 | 0 |
| Dec-88 | 2646 | 2646 | 2646 | 1985 | 0 |
| Jan-89 | 5129 | 5129 | 5129 | 3847 | 0 |
| Feb-89 | 7312 | 7312 | 7312 | 5484 | 0 |
| Mar-89 | 12032 | 12032 | 12032 | 9024 | 0 |
| Apr-89 | 8730 | 8730 | 8730 | 6548 | 0 |
| May-89 | 24090 | 24090 | 24090 | 18068 | 0 |
| Jun-89 | 14514 | 14514 | 14514 | 10886 | 0 |
| Jul-89 | 14214 | 14214 | 14214 | 10661 | 0 |
| Aug-89 | 18989 | 18989 | 18989 | 14241 | 0 |
| Sep-89 | 17570 | 17570 | 17570 | 13177 | 0 |
| Oct-89 | 14705 | 14705 | 14705 | 11029 | 0 |
| Nov-89 | 6902 | 6902 | 6902 | 5177 | 0 |
| Dec-89 | 1773 | 1773 | 1773 | 1330 | 0 |

| Month | Newark Bay CSO Total Organic Carbon Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 63086 | 63086 | 63086 | 37852 | 0 |
| Feb-88 | 70286 | 70286 | 70286 | 42172 | 0 |
| Mar-88 | 36000 | 36000 | 36000 | 21600 | 0 |
| Apr-88 | 32057 | 32057 | 32057 | 19234 | 0 |
| May-88 | 98229 | 98229 | 98229 | 58938 | 0 |
| Jun-88 | 17486 | 17486 | 17486 | 10492 | 0 |
| Jul-88 | 170744 | 170744 | 170744 | 102447 | 0 |
| Aug-88 | 30515 | 30515 | 30515 | 18309 | 0 |
| Sep-88 | 28457 | 28457 | 28457 | 17074 | 0 |
| Oct-88 | 41143 | 41143 | 41143 | 24686 | 0 |
| Nov-88 | 130801 | 130801 | 130801 | 78481 | 0 |
| Dec-88 | 16629 | 16629 | 16629 | 9977 | 0 |
| Jan-89 | 32229 | 32229 | 32229 | 19337 | 0 |
| Feb-89 | 45943 | 45943 | 45943 | 27566 | 0 |
| Mar-89 | 75601 | 75601 | 75601 | 45360 | 0 |
| Apr-89 | 54858 | 54858 | 54858 | 32915 | 0 |
| May-89 | 151373 | 151373 | 151373 | 90824 | 0 |
| Jun-89 | 91201 | 91201 | 91201 | 54720 | 0 |
| Jul-89 | 89315 | 89315 | 89315 | 53589 | 0 |
| Aug-89 | 119315 | 119315 | 119315 | 71589 | 0 |
| Sep-89 | 110401 | 110401 | 110401 | 66241 | 0 |
| Oct-89 | 92401 | 92401 | 92401 | 55440 | 0 |
| Nov-89 | 43372 | 43372 | 43372 | 26023 | 0 |
| Dec-89 | 11143 | 11143 | 11143 | 6686 | 0 |

| Month | Arthur Kill and Kill Van Kull Storm Water Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 48728 | 48728 | 43222 | 36400 | 13850 |
| Feb-88 | 54290 | 54290 | 48155 | 40555 | 15457 |
| Mar-88 | 27807 | 27807 | 24665 | 20772 | 7909 |
| Apr-88 | 24761 | 24761 | 21963 | 18497 | 7058 |
| May-88 | 75874 | 75874 | 67300 | 56678 | 21628 |
| Jun-88 | 13506 | 13506 | 11980 | 10089 | 3838 |
| Jul-88 | 131885 | 131885 | 116982 | 98519 | 37751 |
| Aug-88 | 23570 | 23570 | 20906 | 17607 | 6731 |
| Sep-88 | 21981 | 21981 | 19497 | 16420 | 6250 |
| Oct-88 | 31780 | 31780 | 28188 | 23740 | 9031 |
| Nov-88 | 101032 | 101032 | 89615 | 75472 | 28819 |
| Dec-88 | 12844 | 12844 | 11393 | 9595 | 3650 |
| Jan-89 | 24894 | 24894 | 22081 | 18596 | 7078 |
| Feb-89 | 35487 | 35487 | 31477 | 26509 | 10091 |
| Mar-89 | 58395 | 58395 | 51796 | 43621 | 16610 |
| Apr-89 | 42372 | 42372 | 37584 | 31652 | 12042 |
| May-89 | 116922 | 116922 | 103710 | 87341 | 33302 |
| Jun-89 | 70444 | 70444 | 62484 | 52622 | 20096 |
| Jul-89 | 68988 | 68988 | 61192 | 51534 | 19716 |
| Aug-89 | 92160 | 92160 | 81746 | 68844 | 26314 |
| Sep-89 | 85275 | 85275 | 75639 | 63701 | 24329 |
| Oct-89 | 71371 | 71371 | 63306 | 53315 | 20322 |
| Nov-89 | 33501 | 33501 | 29715 | 25025 | 9523 |
| Dec-89 | 8607 | 8607 | 7634 | 6429 | 2446 |

| Month | Arthur Kill and Kill Van Kull Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 442147 | 442147 | 397932 | 375844 | 90506 |
| Feb-88 | 492613 | 492613 | 443352 | 418743 | 101008 |
| Mar-88 | 252313 | 252313 | 227082 | 214477 | 51682 |
| Apr-88 | 224677 | 224677 | 202210 | 190986 | 46119 |
| May-88 | 688455 | 688455 | 619609 | 585217 | 141334 |
| Jun-88 | 122551 | 122551 | 110296 | 104174 | 25082 |
| Jul-88 | 1196689 | 1196689 | 1077018 | 1017237 | 246687 |
| Aug-88 | 213866 | 213866 | 192479 | 181795 | 43987 |
| Sep-88 | 199448 | 199448 | 179503 | 169540 | 40843 |
| Oct-88 | 288360 | 288360 | 259523 | 245118 | 59017 |
| Nov-88 | 916743 | 916743 | 825069 | 779269 | 188321 |
| Dec-88 | 116545 | 116545 | 104890 | 99068 | 23852 |
| Jan-89 | 225879 | 225879 | 203291 | 192007 | 46250 |
| Feb-89 | 321998 | 321998 | 289798 | 273712 | 65944 |
| Mar-89 | 529858 | 529858 | 476873 | 450403 | 108544 |
| Apr-89 | 384476 | 384476 | 346028 | 326821 | 78688 |
| May-89 | 1060916 | 1060916 | 954828 | 901827 | 217620 |
| Jun-89 | 639191 | 639191 | 575274 | 543343 | 131321 |
| Jul-89 | 625979 | 625979 | 563382 | 532110 | 128838 |
| Aug-89 | 836240 | 836240 | 752615 | 710843 | 171954 |
| Sep-89 | 773759 | 773759 | 696387 | 657733 | 158980 |
| Oct-89 | 647605 | 647605 | 582844 | 550492 | 132797 |
| Nov-89 | 303977 | 303977 | 273579 | 258394 | 62228 |
| Dec-89 | 78096 | 78096 | 70287 | 66385 | 15983 |

| Arthur Kill and Kill Van Kull CSO Total Nitrogen Load (lb) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 37149 | 37149 | 37149 | 28789 | 0 | |
| Feb-88 | 42010 | 42010 | 42010 | 32694 | 0 | |
| Mar-88 | 21338 | 21338 | 21338 | 16567 | 0 | |
| Apr-88 | 19359 | 19359 | 19359 | 15110 | 0 | |
| May-88 | 59335 | 59335 | 59335 | 46312 | 0 | |
| Jun-88 | 10279 | 10279 | 10279 | 7962 | 0 | |
| Jul-88 | 106586 | 106586 | 106586 | 83932 | 0 | |
| Aug-88 | 18678 | 18678 | 18678 | 14632 | 0 | |
| Sep-88 | 16819 | 16819 | 16819 | 13048 | 0 | |
| Oct-88 | 24187 | 24187 | 24187 | 18734 | 0 | |
| Nov-88 | 79496 | 79496 | 79496 | 62155 | 0 | |
| Dec-88 | 9775 | 9775 | 9775 | 7572 | 0 | |
| Jan-89 | 19027 | 19027 | 19027 | 14756 | 0 | |
| Feb-89 | 27173 | 27173 | 27173 | 21085 | 0 | |
| Mar-89 | 44841 | 44841 | 44841 | 34822 | 0 | |
| Apr-89 | 32249 | 32249 | 32249 | 24979 | 0 | |
| May-89 | 90710 | 90710 | 90710 | 70644 | 0 | |
| Jun-89 | 55471 | 55471 | 55471 | 43380 | 0 | |
| Jul-89 | 54989 | 54989 | 54989 | 43141 | 0 | |
| Aug-89 | 73090 | 73090 | 73090 | 57269 | 0 | |
| Sep-89 | 67208 | 67208 | 67208 | 52571 | 0 | |
| Oct-89 | 55273 | 55273 | 55273 | 43026 | 0 | |
| Nov-89 | 25557 | 25557 | 25557 | 19809 | 0 | |
| Dec-89 | 6551 | 6551 | 6551 | 5074 | 0 | |

| Arthur Kill and Kill Van Kull CSO Total Organic Carbon Load (lb) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 233429 | 233429 | 233429 | 149376 | 0 | |
| Feb-88 | 263969 | 263969 | 263969 | 170311 | 0 | |
| Mar-88 | 134079 | 134079 | 134079 | 86114 | 0 | |
| Apr-88 | 121646 | 121646 | 121646 | 78921 | 0 | |
| May-88 | 372836 | 372836 | 372836 | 241908 | 0 | |
| Jun-88 | 64590 | 64590 | 64590 | 41293 | 0 | |
| Jul-88 | 669737 | 669737 | 669737 | 441988 | 0 | |
| Aug-88 | 117366 | 117366 | 117366 | 76683 | 0 | |
| Sep-88 | 105684 | 105684 | 105684 | 67769 | 0 | |
| Oct-88 | 151977 | 151977 | 151977 | 97160 | 0 | |
| Nov-88 | 499518 | 499518 | 499518 | 325173 | 0 | |
| Dec-88 | 61424 | 61424 | 61424 | 39269 | 0 | |
| Jan-89 | 119559 | 119559 | 119559 | 76619 | 0 | |
| Feb-89 | 170744 | 170744 | 170744 | 109532 | 0 | |
| Mar-89 | 281762 | 281762 | 281762 | 181029 | 0 | |
| Apr-89 | 202636 | 202636 | 202636 | 129547 | 0 | |
| May-89 | 569982 | 569982 | 569982 | 368247 | 0 | |
| Jun-89 | 348556 | 348556 | 348556 | 226993 | 0 | |
| Jul-89 | 345525 | 345525 | 345525 | 226413 | 0 | |
| Aug-89 | 459267 | 459267 | 459267 | 300200 | 0 | |
| Sep-89 | 422304 | 422304 | 422304 | 275146 | 0 | |
| Oct-89 | 347313 | 347313 | 347313 | 224185 | 0 | |
| Nov-89 | 160586 | 160586 | 160586 | 102800 | 0 | |
| Dec-89 | 41160 | 41160 | 41160 | 26314 | 0 | |

| Month | Raritan River and Raritan Bay Storm Water Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 55812 | 55812 | 49505 | 41684 | 15861 |
| Feb-88 | 62182 | 62182 | 55155 | 46443 | 17671 |
| Mar-88 | 31849 | 31849 | 28250 | 23788 | 9051 |
| Apr-88 | 28361 | 28361 | 25156 | 21182 | 8060 |
| May-88 | 86903 | 86903 | 77082 | 64906 | 24697 |
| Jun-88 | 15469 | 15469 | 13721 | 11554 | 4396 |
| Jul-88 | 151054 | 151054 | 133985 | 112819 | 42928 |
| Aug-88 | 26996 | 26996 | 23945 | 20163 | 7672 |
| Sep-88 | 25176 | 25176 | 22331 | 18803 | 7155 |
| Oct-88 | 36399 | 36399 | 32286 | 27186 | 10344 |
| Nov-88 | 115718 | 115718 | 102641 | 86428 | 32886 |
| Dec-88 | 14711 | 14711 | 13049 | 10988 | 4181 |
| Jan-89 | 28513 | 28513 | 25291 | 21295 | 8103 |
| Feb-89 | 40646 | 40646 | 36053 | 30358 | 11551 |
| Mar-89 | 66883 | 66883 | 59325 | 49953 | 19007 |
| Apr-89 | 48533 | 48533 | 43048 | 36248 | 13792 |
| May-89 | 133917 | 133917 | 118784 | 100020 | 38058 |
| Jun-89 | 80684 | 80684 | 71567 | 60262 | 22929 |
| Jul-89 | 79015 | 79015 | 70086 | 59015 | 22455 |
| Aug-89 | 105556 | 105556 | 93628 | 78838 | 29998 |
| Sep-89 | 97670 | 97670 | 86632 | 72947 | 27756 |
| Oct-89 | 81746 | 81746 | 72508 | 61054 | 23231 |
| Nov-89 | 38371 | 38371 | 34035 | 28658 | 10904 |
| Dec-89 | 9858 | 9858 | 8744 | 7363 | 2802 |

| Month | Raritan River and Raritan Bay Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 506418 | 506418 | 455775 | 430455 | 103645 |
| Feb-88 | 564225 | 564225 | 507803 | 479591 | 115476 |
| Mar-88 | 288992 | 288992 | 260093 | 245643 | 59146 |
| Apr-88 | 257342 | 257342 | 231608 | 218741 | 52669 |
| May-88 | 788531 | 788531 | 709678 | 670252 | 161384 |
| Jun-88 | 140365 | 140365 | 126329 | 119310 | 28728 |
| Jul-88 | 1370625 | 1370625 | 1233563 | 1165031 | 280517 |
| Aug-88 | 244954 | 244954 | 220459 | 208211 | 50133 |
| Sep-88 | 228437 | 228437 | 205593 | 194171 | 46753 |
| Oct-88 | 330274 | 330274 | 297247 | 280733 | 67595 |
| Nov-88 | 1049994 | 1049994 | 944994 | 892495 | 214896 |
| Dec-88 | 133487 | 133487 | 120138 | 113464 | 27320 |
| Jan-89 | 258716 | 258716 | 232844 | 219908 | 52950 |
| Feb-89 | 368813 | 368813 | 331932 | 313492 | 75483 |
| Mar-89 | 606876 | 606876 | 546188 | 515844 | 124205 |
| Apr-89 | 440372 | 440372 | 396335 | 374316 | 90128 |
| May-89 | 1215127 | 1215127 | 1093615 | 1032858 | 248693 |
| Jun-89 | 732108 | 732108 | 658897 | 622291 | 149836 |
| Jul-89 | 716959 | 716959 | 645263 | 609415 | 146736 |
| Aug-89 | 957786 | 957786 | 862007 | 814118 | 196024 |
| Sep-89 | 886225 | 886225 | 797603 | 753291 | 181378 |
| Oct-89 | 741737 | 741737 | 667563 | 630476 | 151807 |
| Nov-89 | 348166 | 348166 | 313350 | 295942 | 71257 |
| Dec-89 | 89452 | 89452 | 80507 | 76035 | 18308 |

| Month | Raritan River and Raritan Bay CSO Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 8667 | 8667 | 8667 | 6500 | 0 |
| Feb-88 | 9656 | 9656 | 9656 | 7242 | 0 |
| Mar-88 | 4946 | 4946 | 4946 | 3709 | 0 |
| Apr-88 | 4404 | 4404 | 4404 | 3303 | 0 |
| May-88 | 13495 | 13495 | 13495 | 10121 | 0 |
| Jun-88 | 2402 | 2402 | 2402 | 1802 | 0 |
| Jul-88 | 23457 | 23457 | 23457 | 17593 | 0 |
| Aug-88 | 4192 | 4192 | 4192 | 3144 | 0 |
| Sep-88 | 3910 | 3910 | 3910 | 2932 | 0 |
| Oct-88 | 5652 | 5652 | 5652 | 4239 | 0 |
| Nov-88 | 17970 | 17970 | 17970 | 13477 | 0 |
| Dec-88 | 2284 | 2284 | 2284 | 1713 | 0 |
| Jan-89 | 4428 | 4428 | 4428 | 3321 | 0 |
| Feb-89 | 6312 | 6312 | 6312 | 4734 | 0 |
| Mar-89 | 10386 | 10386 | 10386 | 7790 | 0 |
| Apr-89 | 7536 | 7536 | 7536 | 5652 | 0 |
| May-89 | 20796 | 20796 | 20796 | 15597 | 0 |
| Jun-89 | 12529 | 12529 | 12529 | 9397 | 0 |
| Jul-89 | 12270 | 12270 | 12270 | 9203 | 0 |
| Aug-89 | 16392 | 16392 | 16392 | 12294 | 0 |
| Sep-89 | 15167 | 15167 | 15167 | 11375 | 0 |
| Oct-89 | 12694 | 12694 | 12694 | 9521 | 0 |
| Nov-89 | 5959 | 5959 | 5959 | 4469 | 0 |
| Dec-89 | 1531 | 1531 | 1531 | 1148 | 0 |

| Month | Raritan River and Raritan Bay CSO Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 54459 | 54459 | 54459 | 32675 | 0 |
| Feb-88 | 60675 | 60675 | 60675 | 36405 | 0 |
| Mar-88 | 31077 | 31077 | 31077 | 18646 | 0 |
| Apr-88 | 27674 | 27674 | 27674 | 16604 | 0 |
| May-88 | 84797 | 84797 | 84797 | 50878 | 0 |
| Jun-88 | 15095 | 15095 | 15095 | 9057 | 0 |
| Jul-88 | 147395 | 147395 | 147395 | 88437 | 0 |
| Aug-88 | 26342 | 26342 | 26342 | 15805 | 0 |
| Sep-88 | 24566 | 24566 | 24566 | 14739 | 0 |
| Oct-88 | 35517 | 35517 | 35517 | 21310 | 0 |
| Nov-88 | 112914 | 112914 | 112914 | 67748 | 0 |
| Dec-88 | 14355 | 14355 | 14355 | 8613 | 0 |
| Jan-89 | 27822 | 27822 | 27822 | 16693 | 0 |
| Feb-89 | 39660 | 39660 | 39660 | 23796 | 0 |
| Mar-89 | 65262 | 65262 | 65262 | 39157 | 0 |
| Apr-89 | 47356 | 47356 | 47356 | 28413 | 0 |
| May-89 | 130672 | 130672 | 130672 | 78403 | 0 |
| Jun-89 | 78729 | 78729 | 78729 | 47237 | 0 |
| Jul-89 | 77101 | 77101 | 77101 | 46261 | 0 |
| Aug-89 | 102999 | 102999 | 102999 | 61799 | 0 |
| Sep-89 | 95303 | 95303 | 95303 | 57182 | 0 |
| Oct-89 | 79765 | 79765 | 79765 | 47859 | 0 |
| Nov-89 | 37441 | 37441 | 37441 | 22464 | 0 |
| Dec-89 | 9619 | 9619 | 9619 | 5771 | 0 |

| Hudson River Below Tappan Zee and Upper Bay Storm Water | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Total Nitrogen Load (lb) | | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 16788 | 16788 | 14891 | 14891 | 5399 | |
| Feb-88 | 18642 | 18642 | 16536 | 16536 | 6306 | |
| Mar-88 | 9564 | 9564 | 8483 | 8483 | 3222 | |
| Apr-88 | 8647 | 8647 | 7670 | 7670 | 2959 | |
| May-88 | 25835 | 25835 | 22915 | 22915 | 8775 | |
| Jun-88 | 4764 | 4764 | 4225 | 4225 | 1566 | |
| Jul-88 | 44619 | 44619 | 39577 | 39577 | 15650 | |
| Aug-88 | 8274 | 8274 | 7339 | 7339 | 3107 | |
| Sep-88 | 7902 | 7902 | 7009 | 7009 | 3062 | |
| Oct-88 | 11472 | 11472 | 10176 | 10176 | 4526 | |
| Nov-88 | 35347 | 35347 | 31352 | 31352 | 13345 | |
| Dec-88 | 4474 | 4474 | 3969 | 3969 | 1486 | |
| Jan-89 | 8754 | 8754 | 7764 | 7764 | 2956 | |
| Feb-89 | 12388 | 12388 | 10988 | 10988 | 4122 | |
| Mar-89 | 20304 | 20304 | 18010 | 18010 | 7142 | |
| Apr-89 | 15041 | 15041 | 13341 | 13341 | 5207 | |
| May-89 | 40957 | 40957 | 36329 | 36329 | 15022 | |
| Jun-89 | 25651 | 25651 | 22753 | 22753 | 10692 | |
| Jul-89 | 23642 | 23642 | 20971 | 20971 | 8558 | |
| Aug-89 | 32325 | 32325 | 28672 | 28672 | 12641 | |
| Sep-89 | 29507 | 29507 | 26172 | 26172 | 11149 | |
| Oct-89 | 25435 | 25435 | 22561 | 22561 | 9751 | |
| Nov-89 | 11651 | 11651 | 10334 | 10334 | 3744 | |
| Dec-89 | 3010 | 3010 | 2669 | 2669 | 988 | |

| Hudson River Below Tappan Zee and Upper Bay Storm Water Total Organic Carbon Load (lb) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 152329 | 152329 | 137096 | 137096 | 35278 | |
| Feb-88 | 169157 | 169157 | 152242 | 152242 | 41208 | |
| Mar-88 | 86777 | 86777 | 78099 | 78099 | 21056 | |
| Apr-88 | 78462 | 78462 | 70615 | 70615 | 19335 | |
| May-88 | 234417 | 234417 | 210976 | 210976 | 57340 | |
| Jun-88 | 43223 | 43223 | 38901 | 38901 | 10231 | |
| Jul-88 | 404865 | 404865 | 364378 | 364378 | 102266 | |
| Aug-88 | 75075 | 75075 | 67567 | 67567 | 20302 | |
| Sep-88 | 71698 | 71698 | 64528 | 64528 | 20009 | |
| Oct-88 | 104095 | 104095 | 93685 | 93685 | 29574 | |
| Nov-88 | 320725 | 320725 | 288653 | 288653 | 87203 | |
| Dec-88 | 40599 | 40599 | 36539 | 36539 | 9709 | |
| Jan-89 | 79429 | 79429 | 71486 | 71486 | 19316 | |
| Feb-89 | 112407 | 112407 | 101166 | 101166 | 26939 | |
| Mar-89 | 184235 | 184235 | 165811 | 165811 | 46673 | |
| Apr-89 | 136479 | 136479 | 122832 | 122832 | 34025 | |
| May-89 | 371636 | 371636 | 334472 | 334472 | 98165 | |
| Jun-89 | 232754 | 232754 | 209478 | 209478 | 69870 | |
| Jul-89 | 214524 | 214524 | 193072 | 193072 | 55927 | |
| Aug-89 | 293310 | 293310 | 263978 | 263978 | 82607 | |
| Sep-89 | 267736 | 267736 | 240963 | 240963 | 72853 | |
| Oct-89 | 230790 | 230790 | 207711 | 207711 | 63720 | |
| Nov-89 | 105717 | 105717 | 95145 | 95145 | 24465 | |
| Dec-89 | 27308 | 27308 | 24577 | 24577 | 6456 | |

| Hudson River Below Tappan Zee and Upper Bay CSO | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|
| Total Nitrogen Load (lb) | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 67358 | 67358 | 66201 | 66201 | 0 |
| Feb-88 | 80088 | 80088 | 78530 | 78530 | 0 |
| Mar-88 | 41778 | 41778 | 40933 | 40933 | 0 |
| Apr-88 | 38865 | 38865 | 38017 | 38017 | 0 |
| May-88 | 113814 | 113814 | 111557 | 111557 | 0 |
| Jun-88 | 19941 | 19941 | 19546 | 19546 | 0 |
| Jul-88 | 202697 | 202697 | 198520 | 198520 | 0 |
| Aug-88 | 41077 | 41077 | 40060 | 40060 | 0 |
| Sep-88 | 42028 | 42028 | 40864 | 40864 | 0 |
| Oct-88 | 63634 | 63634 | 61794 | 61794 | 0 |
| Nov-88 | 181475 | 181475 | 176817 | 176817 | 0 |
| Dec-88 | 19949 | 19949 | 19515 | 19515 | 0 |
| Jan-89 | 38795 | 38795 | 37949 | 37949 | 0 |
| Feb-89 | 51957 | 51957 | 50962 | 50962 | 0 |
| Mar-89 | 95079 | 95079 | 92910 | 92910 | 0 |
| Apr-89 | 69919 | 69919 | 68274 | 68274 | 0 |
| May-89 | 201842 | 201842 | 196875 | 196875 | 0 |
| Jun-89 | 149807 | 149807 | 145282 | 145282 | 0 |
| Jul-89 | 113975 | 113975 | 111353 | 111353 | 0 |
| Aug-89 | 170227 | 170227 | 165755 | 165755 | 0 |
| Sep-89 | 151531 | 151531 | 147721 | 147721 | 0 |
| Oct-89 | 134721 | 134721 | 131044 | 131044 | 0 |
| Nov-89 | 46688 | 46688 | 45868 | 45868 | 0 |
| Dec-89 | 12789 | 12789 | 12532 | 12532 | 0 |

| Hudson River Below Tappan Zee and Upper Bay CSO Total Organic Carbon Load (lb) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 423249 | 423249 | 415978 | 415978 | 0 | |
| Feb-88 | 503239 | 503239 | 493448 | 493448 | 0 | |
| Mar-88 | 262515 | 262515 | 257203 | 257203 | 0 | |
| Apr-88 | 244208 | 244208 | 238883 | 238883 | 0 | |
| May-88 | 715157 | 715157 | 700974 | 700974 | 0 | |
| Jun-88 | 125298 | 125298 | 122817 | 122817 | 0 | |
| Jul-88 | 1273659 | 1273659 | 1247408 | 1247408 | 0 | |
| Aug-88 | 258110 | 258110 | 251717 | 251717 | 0 | |
| Sep-88 | 264086 | 264086 | 256772 | 256772 | 0 | |
| Oct-88 | 399846 | 399846 | 388283 | 388283 | 0 | |
| Nov-88 | 1140306 | 1140306 | 1111040 | 1111040 | 0 | |
| Dec-88 | 125350 | 125350 | 122620 | 122620 | 0 | |
| Jan-89 | 243767 | 243767 | 238452 | 238452 | 0 | |
| Feb-89 | 326475 | 326475 | 320222 | 320222 | 0 | |
| Mar-89 | 597433 | 597433 | 583802 | 583802 | 0 | |
| Apr-89 | 439338 | 439338 | 429004 | 429004 | 0 | |
| May-89 | 1268284 | 1268284 | 1237075 | 1237075 | 0 | |
| Jun-89 | 941321 | 941321 | 912887 | 912887 | 0 | |
| Jul-89 | 716166 | 716166 | 699692 | 699692 | 0 | |
| Aug-89 | 1069630 | 1069630 | 1041527 | 1041527 | 0 | |
| Sep-89 | 952153 | 952153 | 928212 | 928212 | 0 | |
| Oct-89 | 846526 | 846526 | 823419 | 823419 | 0 | |
| Nov-89 | 293364 | 293364 | 288212 | 288212 | 0 | |
| Dec-89 | 80360 | 80360 | 78747 | 78747 | 0 | |

| Month | Upper East River, Lower East River, and Harlem River Storm Water Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2415 | 2415 | 1912 | 1912 | 4196 |
| Feb-88 | 2352 | 2352 | 1863 | 1863 | 6941 |
| Mar-88 | 1260 | 1260 | 997 | 997 | 3976 |
| Apr-88 | 1555 | 1555 | 1232 | 1232 | 3649 |
| May-88 | 3137 | 3137 | 2484 | 2484 | 9203 |
| Jun-88 | 800 | 800 | 633 | 633 | 1596 |
| Jul-88 | 4885 | 4885 | 3868 | 3868 | 20836 |
| Aug-88 | 1129 | 1129 | 894 | 894 | 4626 |
| Sep-88 | 1359 | 1359 | 1076 | 1076 | 6032 |
| Oct-88 | 1900 | 1900 | 1505 | 1505 | 7416 |
| Nov-88 | 4780 | 4780 | 3785 | 3785 | 19305 |
| Dec-88 | 831 | 831 | 658 | 658 | 1874 |
| Jan-89 | 1571 | 1571 | 1244 | 1244 | 4359 |
| Feb-89 | 2145 | 2145 | 1698 | 1698 | 4882 |
| Mar-89 | 2896 | 2896 | 2294 | 2294 | 9057 |
| Apr-89 | 2647 | 2647 | 2096 | 2096 | 5506 |
| May-89 | 5649 | 5649 | 4474 | 4474 | 20353 |
| Jun-89 | 4347 | 4347 | 3443 | 3443 | 19218 |
| Jul-89 | 3114 | 3114 | 2466 | 2466 | 12454 |
| Aug-89 | 4151 | 4151 | 3287 | 3287 | 20535 |
| Sep-89 | 3447 | 3447 | 2730 | 2730 | 14787 |
| Oct-89 | 3723 | 3723 | 2948 | 2948 | 13767 |
| Nov-89 | 2078 | 2078 | 1646 | 1646 | 3735 |
| Dec-89 | 580 | 580 | 459 | 459 | 1115 |

| Month | Upper East River, Lower East River, and Harlem River Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|--|------------------------|---------------------------------|-------------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 21909 | 21909 | 13428 | 13428 | 27417 |
| Feb-88 | 21342 | 21342 | 13134 | 13134 | 45359 |
| Mar-88 | 11429 | 11429 | 7029 | 7029 | 25979 |
| Apr-88 | 14111 | 14111 | 8720 | 8720 | 23842 |
| May-88 | 28463 | 28463 | 17520 | 17520 | 60137 |
| Jun-88 | 7255 | 7255 | 4458 | 4458 | 10427 |
| Jul-88 | 44319 | 44319 | 27365 | 27365 | 136157 |
| Aug-88 | 10245 | 10245 | 6304 | 6304 | 30232 |
| Sep-88 | 12331 | 12331 | 7613 | 7613 | 39415 |
| Oct-88 | 17242 | 17242 | 10611 | 10611 | 48459 |
| Nov-88 | 43370 | 43370 | 26657 | 26657 | 126148 |
| Dec-88 | 7540 | 7540 | 4656 | 4656 | 12246 |
| Jan-89 | 14252 | 14252 | 8785 | 8785 | 28483 |
| Feb-89 | 19458 | 19458 | 11999 | 11999 | 31902 |
| Mar-89 | 26279 | 26279 | 16160 | 16160 | 59185 |
| Apr-89 | 24020 | 24020 | 14726 | 14726 | 35982 |
| May-89 | 51258 | 51258 | 31459 | 31459 | 133001 |
| Jun-89 | 39445 | 39445 | 24262 | 24262 | 125586 |
| Jul-89 | 28255 | 28255 | 17458 | 17458 | 81380 |
| Aug-89 | 37663 | 37663 | 23197 | 23197 | 134187 |
| Sep-89 | 31275 | 31275 | 19214 | 19214 | 96625 |
| Oct-89 | 33779 | 33779 | 20689 | 20689 | 89965 |
| Nov-89 | 18856 | 18856 | 11617 | 11617 | 24408 |
| Dec-89 | 5264 | 5264 | 3246 | 3246 | 7287 |

| Month | Upper East River, Lower East River, and Harlem River CSO Total Nitrogen Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 106188 | 106188 | 29151 | 29151 | 0 |
| Feb-88 | 160973 | 160973 | 44532 | 44532 | 0 |
| Mar-88 | 100877 | 100877 | 27970 | 27970 | 0 |
| Apr-88 | 92018 | 92018 | 25406 | 25406 | 0 |
| May-88 | 214642 | 214642 | 59314 | 59314 | 0 |
| Jun-88 | 46048 | 46048 | 12586 | 12586 | 0 |
| Jul-88 | 452809 | 452809 | 126023 | 126023 | 0 |
| Aug-88 | 107038 | 107038 | 29465 | 29465 | 0 |
| Sep-88 | 137169 | 137169 | 38123 | 38123 | 0 |
| Oct-88 | 173191 | 173191 | 47788 | 47788 | 0 |
| Nov-88 | 424188 | 424188 | 117309 | 117309 | 0 |
| Dec-88 | 56482 | 56482 | 15622 | 15622 | 0 |
| Jan-89 | 109153 | 109153 | 21970 | 21970 | 0 |
| Feb-89 | 113333 | 113333 | 22647 | 22647 | 0 |
| Mar-89 | 211699 | 211699 | 42217 | 42217 | 0 |
| Apr-89 | 139117 | 139117 | 27409 | 27409 | 0 |
| May-89 | 453605 | 453605 | 90504 | 90504 | 0 |
| Jun-89 | 410225 | 410225 | 81028 | 81028 | 0 |
| Jul-89 | 278236 | 278236 | 55873 | 55873 | 0 |
| Aug-89 | 432283 | 432283 | 85759 | 85759 | 0 |
| Sep-89 | 325568 | 325568 | 64281 | 64281 | 0 |
| Oct-89 | 311103 | 311103 | 61398 | 61398 | 0 |
| Nov-89 | 93159 | 93159 | 18597 | 18597 | 0 |
| Dec-89 | 36421 | 36421 | 7146 | 7146 | 0 |

| Month | Upper East River, Lower East River, and Harlem River CSO Total Organic Carbon Load (lb) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 667237 | 667237 | 390122 | 390122 | 0 |
| Feb-88 | 1011482 | 1011482 | 597992 | 597992 | 0 |
| Mar-88 | 633866 | 633866 | 375971 | 375971 | 0 |
| Apr-88 | 578197 | 578197 | 340872 | 340872 | 0 |
| May-88 | 1348716 | 1348716 | 796106 | 796106 | 0 |
| Jun-88 | 289347 | 289347 | 168105 | 168105 | 0 |
| Jul-88 | 2845251 | 2845251 | 1696770 | 1696770 | 0 |
| Aug-88 | 672578 | 672578 | 394815 | 394815 | 0 |
| Sep-88 | 861909 | 861909 | 512969 | 512969 | 0 |
| Oct-88 | 1088253 | 1088253 | 640993 | 640993 | 0 |
| Nov-88 | 2665409 | 2665409 | 1575047 | 1575047 | 0 |
| Dec-88 | 354904 | 354904 | 209758 | 209758 | 0 |
| Jan-89 | 685871 | 685871 | 409011 | 409011 | 0 |
| Feb-89 | 712136 | 712136 | 422131 | 422131 | 0 |
| Mar-89 | 1330220 | 1330220 | 787194 | 787194 | 0 |
| Apr-89 | 874151 | 874151 | 512136 | 512136 | 0 |
| May-89 | 2850254 | 2850254 | 1687423 | 1687423 | 0 |
| Jun-89 | 2577672 | 2577672 | 1513335 | 1513335 | 0 |
| Jul-89 | 1748310 | 1748310 | 1040598 | 1040598 | 0 |
| Aug-89 | 2716275 | 2716275 | 1600498 | 1600498 | 0 |
| Sep-89 | 2045725 | 2045725 | 1200637 | 1200637 | 0 |
| Oct-89 | 1954831 | 1954831 | 1146883 | 1146883 | 0 |
| Nov-89 | 585366 | 585366 | 346699 | 346699 | 0 |
| Dec-89 | 228852 | 228852 | 133615 | 133615 | 0 |

| Month | Jamaica Bay Storm Water Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12341 | 12341 | 11522 | 11522 | 8389 |
| Feb-88 | 13087 | 13087 | 12218 | 12218 | 11045 |
| Mar-88 | 7788 | 7788 | 7271 | 7271 | 6865 |
| Apr-88 | 6904 | 6904 | 6445 | 6445 | 5647 |
| May-88 | 16464 | 16464 | 15371 | 15371 | 14992 |
| Jun-88 | 5109 | 5109 | 4770 | 4770 | 4215 |
| Jul-88 | 19169 | 19169 | 17896 | 17896 | 20440 |
| Aug-88 | 5426 | 5426 | 5066 | 5066 | 6242 |
| Sep-88 | 7978 | 7978 | 7448 | 7448 | 9113 |
| Oct-88 | 9597 | 9597 | 8960 | 8960 | 10205 |
| Nov-88 | 20037 | 20037 | 18707 | 18707 | 19867 |
| Dec-88 | 4299 | 4299 | 4013 | 4013 | 2796 |
| Jan-89 | 7073 | 7073 | 6603 | 6603 | 5663 |
| Feb-89 | 10759 | 10759 | 10044 | 10044 | 7311 |
| Mar-89 | 13422 | 13422 | 12531 | 12531 | 11736 |
| Apr-89 | 13659 | 13659 | 12752 | 12752 | 10261 |
| May-89 | 30546 | 30546 | 28518 | 28518 | 32626 |
| Jun-89 | 24234 | 24234 | 22625 | 22625 | 24868 |
| Jul-89 | 16009 | 16009 | 14946 | 14946 | 18609 |
| Aug-89 | 12554 | 12554 | 11720 | 11720 | 13166 |
| Sep-89 | 12773 | 12773 | 11925 | 11925 | 12642 |
| Oct-89 | 19831 | 19831 | 18513 | 18513 | 19934 |
| Nov-89 | 10847 | 10847 | 10127 | 10127 | 6520 |
| Dec-89 | 2290 | 2290 | 2138 | 2138 | 1354 |

| Month | Jamaica Bay Storm Water Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 111978 | 111978 | 111978 | 111978 | 54822 |
| Feb-88 | 118747 | 118747 | 118747 | 118747 | 72176 |
| Mar-88 | 70668 | 70668 | 70668 | 70668 | 44861 |
| Apr-88 | 62643 | 62643 | 62643 | 62643 | 36900 |
| May-88 | 149389 | 149389 | 149389 | 149389 | 97969 |
| Jun-88 | 46360 | 46360 | 46360 | 46360 | 27545 |
| Jul-88 | 173937 | 173937 | 173937 | 173937 | 133570 |
| Aug-88 | 49237 | 49237 | 49237 | 49237 | 40788 |
| Sep-88 | 72391 | 72391 | 72391 | 72391 | 59549 |
| Oct-88 | 87081 | 87081 | 87081 | 87081 | 66689 |
| Nov-88 | 181817 | 181817 | 181817 | 181817 | 129824 |
| Dec-88 | 39007 | 39007 | 39007 | 39007 | 18274 |
| Jan-89 | 64180 | 64180 | 64180 | 64180 | 37009 |
| Feb-89 | 97621 | 97621 | 97621 | 97621 | 47778 |
| Mar-89 | 121788 | 121788 | 121788 | 121788 | 76689 |
| Apr-89 | 123937 | 123937 | 123937 | 123937 | 67051 |
| May-89 | 277172 | 277172 | 277176 | 277176 | 213198 |
| Jun-89 | 219893 | 219893 | 219893 | 219893 | 162506 |
| Jul-89 | 145261 | 145261 | 145261 | 145261 | 121600 |
| Aug-89 | 113913 | 113913 | 113913 | 113913 | 86036 |
| Sep-89 | 115903 | 115903 | 115903 | 115903 | 82608 |
| Oct-89 | 179937 | 179937 | 179937 | 179937 | 130262 |
| Nov-89 | 98420 | 98420 | 98420 | 98420 | 42604 |
| Dec-89 | 20780 | 20780 | 20780 | 20780 | 8848 |

| Month | Jamaica Bay CSO Total Nitrogen Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 102942 | 102942 | 102942 | 102942 | 0 |
| Feb-88 | 149797 | 149797 | 149797 | 149797 | 0 |
| Mar-88 | 96082 | 96082 | 96082 | 96082 | 0 |
| Apr-88 | 75256 | 75256 | 75256 | 75256 | 0 |
| May-88 | 209032 | 209032 | 209032 | 209032 | 0 |
| Jun-88 | 56761 | 56761 | 56761 | 56761 | 0 |
| Jul-88 | 298702 | 298702 | 298702 | 298702 | 0 |
| Aug-88 | 92901 | 92901 | 92901 | 92901 | 0 |
| Sep-88 | 135657 | 135657 | 135657 | 135657 | 0 |
| Oct-88 | 150803 | 150803 | 150803 | 150803 | 0 |
| Nov-88 | 287423 | 287423 | 287423 | 287423 | 0 |
| Dec-88 | 34423 | 34423 | 34423 | 34423 | 0 |
| Jan-89 | 75961 | 75961 | 75961 | 75961 | 0 |
| Feb-89 | 88333 | 88333 | 88333 | 88333 | 0 |
| Mar-89 | 162430 | 162430 | 162430 | 162430 | 0 |
| Apr-89 | 132811 | 132811 | 132811 | 132811 | 0 |
| May-89 | 480275 | 480275 | 480275 | 480275 | 0 |
| Jun-89 | 358152 | 358152 | 358152 | 358152 | 0 |
| Jul-89 | 281060 | 281060 | 281060 | 281060 | 0 |
| Aug-89 | 192079 | 192079 | 192079 | 192079 | 0 |
| Sep-89 | 183090 | 183090 | 183090 | 183090 | 0 |
| Oct-89 | 288129 | 288129 | 288129 | 288129 | 0 |
| Nov-89 | 73393 | 73393 | 73393 | 73393 | 0 |
| Dec-89 | 15438 | 15438 | 15438 | 15438 | 0 |

| Month | Jamaica Bay CSO Total Organic Carbon Load (lb) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 646840 | 646840 | 646840 | 646840 | 0 |
| Feb-88 | 941260 | 941260 | 941260 | 941260 | 0 |
| Mar-88 | 603739 | 603739 | 603739 | 603739 | 0 |
| Apr-88 | 472873 | 472873 | 472873 | 472873 | 0 |
| May-88 | 1313462 | 1313462 | 1313462 | 1313462 | 0 |
| Jun-88 | 356658 | 356658 | 356658 | 356658 | 0 |
| Jul-88 | 1876907 | 1876907 | 1876907 | 1876907 | 0 |
| Aug-88 | 583746 | 583746 | 583746 | 583746 | 0 |
| Sep-88 | 852404 | 852404 | 852404 | 852404 | 0 |
| Oct-88 | 947577 | 947577 | 947577 | 947577 | 0 |
| Nov-88 | 1806032 | 1806032 | 1806032 | 1806032 | 0 |
| Dec-88 | 216297 | 216297 | 216297 | 216297 | 0 |
| Jan-89 | 477303 | 477303 | 477303 | 477303 | 0 |
| Feb-89 | 555046 | 555046 | 555046 | 555046 | 0 |
| Mar-89 | 1020633 | 1020633 | 1020633 | 1020633 | 0 |
| Apr-89 | 834524 | 834524 | 834524 | 834524 | 0 |
| May-89 | 3017829 | 3017829 | 3017824 | 3017824 | 0 |
| Jun-89 | 2250466 | 2250466 | 2250466 | 2250466 | 0 |
| Jul-89 | 1766059 | 1766059 | 1766059 | 1766059 | 0 |
| Aug-89 | 1206939 | 1206939 | 1206939 | 1206939 | 0 |
| Sep-89 | 1150455 | 1150455 | 1150455 | 1150455 | 0 |
| Oct-89 | 1810477 | 1810477 | 1810477 | 1810477 | 0 |
| Nov-89 | 461171 | 461171 | 461171 | 461171 | 0 |
| Dec-89 | 97003 | 97003 | 97003 | 97003 | 0 |

| Month | North Bergen Central Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 668 | 1107 | 0 | 0 | 0 |
| Feb-88 | 732 | 1215 | 0 | 0 | 0 |
| Mar-88 | 706 | 1168 | 0 | 0 | 0 |
| Apr-88 | 696 | 1153 | 0 | 0 | 0 |
| May-88 | 733 | 1216 | 0 | 0 | 0 |
| Jun-88 | 786 | 1302 | 0 | 0 | 0 |
| Jul-88 | 851 | 1412 | 0 | 0 | 0 |
| Aug-88 | 770 | 1274 | 0 | 0 | 0 |
| Sep-88 | 804 | 1332 | 0 | 0 | 0 |
| Oct-88 | 744 | 1232 | 0 | 0 | 0 |
| Nov-88 | 637 | 1056 | 0 | 0 | 0 |
| Dec-88 | 770 | 1275 | 0 | 0 | 0 |
| Jan-89 | 669 | 1109 | 0 | 0 | 0 |
| Feb-89 | 732 | 1215 | 0 | 0 | 0 |
| Mar-89 | 706 | 1168 | 0 | 0 | 0 |
| Apr-89 | 696 | 1153 | 0 | 0 | 0 |
| May-89 | 733 | 1216 | 0 | 0 | 0 |
| Jun-89 | 786 | 1302 | 0 | 0 | 0 |
| Jul-89 | 851 | 1412 | 0 | 0 | 0 |
| Aug-89 | 770 | 1274 | 0 | 0 | 0 |
| Sep-89 | 804 | 1332 | 0 | 0 | 0 |
| Oct-89 | 744 | 1232 | 0 | 0 | 0 |
| Nov-89 | 637 | 1056 | 0 | 0 | 0 |
| Dec-89 | 770 | 1275 | 0 | 0 | 0 |

| Month | North Bergen Central Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2491 | 4129 | 0 | 0 | 0 |
| Feb-88 | 3489 | 5785 | 0 | 0 | 0 |
| Mar-88 | 2638 | 4374 | 0 | 0 | 0 |
| Apr-88 | 2566 | 4253 | 0 | 0 | 0 |
| May-88 | 2553 | 4226 | 0 | 0 | 0 |
| Jun-88 | 2363 | 3919 | 0 | 0 | 0 |
| Jul-88 | 1465 | 2426 | 0 | 0 | 0 |
| Aug-88 | 2378 | 3943 | 0 | 0 | 0 |
| Sep-88 | 1702 | 2825 | 0 | 0 | 0 |
| Oct-88 | 2648 | 4392 | 0 | 0 | 0 |
| Nov-88 | 2402 | 3977 | 0 | 0 | 0 |
| Dec-88 | 2258 | 3738 | 0 | 0 | 0 |
| Jan-89 | 2495 | 4134 | 0 | 0 | 0 |
| Feb-89 | 3489 | 5785 | 0 | 0 | 0 |
| Mar-89 | 2638 | 4374 | 0 | 0 | 0 |
| Apr-89 | 2566 | 4253 | 0 | 0 | 0 |
| May-89 | 2553 | 4226 | 0 | 0 | 0 |
| Jun-89 | 2363 | 3919 | 0 | 0 | 0 |
| Jul-89 | 1465 | 2426 | 0 | 0 | 0 |
| Aug-89 | 2378 | 3943 | 0 | 0 | 0 |
| Sep-89 | 1702 | 2825 | 0 | 0 | 0 |
| Oct-89 | 2648 | 4392 | 0 | 0 | 0 |
| Nov-89 | 2402 | 3977 | 0 | 0 | 0 |
| Dec-89 | 2258 | 3738 | 0 | 0 | 0 |

| Month | Secaucus Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 696 | 1158 | 696 | 107 | 0 |
| Feb-88 | 793 | 1319 | 793 | 104 | 0 |
| Mar-88 | 597 | 994 | 597 | 107 | 0 |
| Apr-88 | 543 | 904 | 543 | 97 | 0 |
| May-88 | 546 | 910 | 546 | 100 | 0 |
| Jun-88 | 800 | 1331 | 800 | 100 | 0 |
| Jul-88 | 487 | 814 | 487 | 110 | 0 |
| Aug-88 | 546 | 907 | 546 | 100 | 0 |
| Sep-88 | 693 | 1152 | 693 | 110 | 0 |
| Oct-88 | 873 | 1453 | 873 | 97 | 0 |
| Nov-88 | 615 | 1025 | 615 | 97 | 0 |
| Dec-88 | 385 | 643 | 385 | 103 | 0 |
| Jan-89 | 697 | 1159 | 697 | 107 | 0 |
| Feb-89 | 793 | 1319 | 793 | 104 | 0 |
| Mar-89 | 597 | 994 | 597 | 107 | 0 |
| Apr-89 | 543 | 904 | 543 | 97 | 0 |
| May-89 | 546 | 910 | 546 | 100 | 0 |
| Jun-89 | 800 | 1331 | 800 | 100 | 0 |
| Jul-89 | 487 | 814 | 487 | 110 | 0 |
| Aug-89 | 546 | 907 | 546 | 100 | 0 |
| Sep-89 | 693 | 1152 | 693 | 110 | 0 |
| Oct-89 | 873 | 1453 | 873 | 97 | 0 |
| Nov-89 | 615 | 1025 | 615 | 97 | 0 |
| Dec-89 | 385 | 643 | 385 | 103 | 0 |

| Month | Secaucus Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 569 | 948 | 569 | 37 | 0 |
| Feb-88 | 713 | 1187 | 713 | 36 | 0 |
| Mar-88 | 563 | 938 | 563 | 37 | 0 |
| Apr-88 | 876 | 1458 | 876 | 34 | 0 |
| May-88 | 560 | 933 | 560 | 35 | 0 |
| Jun-88 | 410 | 683 | 410 | 35 | 0 |
| Jul-88 | 488 | 812 | 488 | 38 | 0 |
| Aug-88 | 537 | 895 | 537 | 35 | 0 |
| Sep-88 | 531 | 885 | 531 | 38 | 0 |
| Oct-88 | 500 | 833 | 500 | 34 | 0 |
| Nov-88 | 461 | 768 | 461 | 34 | 0 |
| Dec-88 | 604 | 1006 | 604 | 36 | 0 |
| Jan-89 | 570 | 949 | 570 | 37 | 0 |
| Feb-89 | 713 | 1187 | 713 | 36 | 0 |
| Mar-89 | 563 | 938 | 563 | 37 | 0 |
| Apr-89 | 876 | 1458 | 876 | 34 | 0 |
| May-89 | 560 | 933 | 560 | 35 | 0 |
| Jun-89 | 410 | 683 | 410 | 35 | 0 |
| Jul-89 | 488 | 812 | 488 | 38 | 0 |
| Aug-89 | 537 | 895 | 537 | 35 | 0 |
| Sep-89 | 531 | 885 | 531 | 38 | 0 |
| Oct-89 | 500 | 833 | 500 | 34 | 0 |
| Nov-89 | 461 | 768 | 461 | 34 | 0 |
| Dec-89 | 604 | 1006 | 604 | 36 | 0 |

| Month | Bergen County Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12904 | 16411 | 12904 | 2789 | 0 |
| Feb-88 | 13023 | 16541 | 13023 | 2595 | 0 |
| Mar-88 | 12718 | 16174 | 12718 | 2659 | 0 |
| Apr-88 | 12445 | 15844 | 12445 | 2456 | 0 |
| May-88 | 12024 | 15270 | 12024 | 2443 | 0 |
| Jun-88 | 13351 | 16963 | 13351 | 2499 | 0 |
| Jul-88 | 13234 | 16817 | 13234 | 2418 | 0 |
| Aug-88 | 11206 | 14244 | 11206 | 2370 | 0 |
| Sep-88 | 11332 | 14413 | 11332 | 2177 | 0 |
| Oct-88 | 9551 | 12132 | 9551 | 2330 | 0 |
| Nov-88 | 12219 | 15547 | 12219 | 2425 | 0 |
| Dec-88 | 12418 | 15809 | 12418 | 2718 | 0 |
| Jan-89 | 12921 | 16434 | 12921 | 2793 | 0 |
| Feb-89 | 13023 | 16541 | 13023 | 2595 | 0 |
| Mar-89 | 12718 | 16174 | 12718 | 2659 | 0 |
| Apr-89 | 12445 | 15844 | 12445 | 2456 | 0 |
| May-89 | 12024 | 15270 | 12024 | 2443 | 0 |
| Jun-89 | 13351 | 16963 | 13351 | 2499 | 0 |
| Jul-89 | 13234 | 16817 | 13234 | 2418 | 0 |
| Aug-89 | 11206 | 14244 | 11206 | 2370 | 0 |
| Sep-89 | 11332 | 14413 | 11332 | 2177 | 0 |
| Oct-89 | 9551 | 12132 | 9551 | 2330 | 0 |
| Nov-89 | 12219 | 15547 | 12219 | 2425 | 0 |
| Dec-89 | 12418 | 15809 | 12418 | 2718 | 0 |

| Month | Bergen County Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 18437 | 23408 | 18437 | 873 | 0 |
| Feb-88 | 14489 | 18426 | 14489 | 811 | 0 |
| Mar-88 | 17619 | 22403 | 17619 | 832 | 0 |
| Apr-88 | 18841 | 23955 | 18841 | 769 | 0 |
| May-88 | 19599 | 24925 | 19599 | 764 | 0 |
| Jun-88 | 21782 | 27681 | 21782 | 782 | 0 |
| Jul-88 | 17716 | 22531 | 17716 | 757 | 0 |
| Aug-88 | 16539 | 21014 | 16539 | 742 | 0 |
| Sep-88 | 15979 | 20305 | 15979 | 681 | 0 |
| Oct-88 | 14643 | 18651 | 14643 | 730 | 0 |
| Nov-88 | 14370 | 18268 | 14370 | 758 | 0 |
| Dec-88 | 16116 | 20507 | 16116 | 850 | 0 |
| Jan-89 | 18462 | 23440 | 18462 | 874 | 0 |
| Feb-89 | 14489 | 18426 | 14489 | 811 | 0 |
| Mar-89 | 17619 | 22403 | 17619 | 832 | 0 |
| Apr-89 | 18841 | 23955 | 18841 | 769 | 0 |
| May-89 | 19599 | 24925 | 19599 | 764 | 0 |
| Jun-89 | 21782 | 27681 | 21782 | 782 | 0 |
| Jul-89 | 17716 | 22531 | 17716 | 757 | 0 |
| Aug-89 | 16539 | 21014 | 16539 | 742 | 0 |
| Sep-89 | 15979 | 20305 | 15979 | 681 | 0 |
| Oct-89 | 14643 | 18651 | 14643 | 730 | 0 |
| Nov-89 | 14370 | 18268 | 14370 | 758 | 0 |
| Dec-89 | 16116 | 20507 | 16116 | 850 | 0 |

| Month | Port Richmond Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 3168 | 5111 | 3168 | 3168 | 0 |
| Feb-88 | 3549 | 5720 | 3549 | 3549 | 0 |
| Mar-88 | 2655 | 4283 | 2655 | 2655 | 0 |
| Apr-88 | 3625 | 5848 | 3625 | 3625 | 0 |
| May-88 | 3471 | 5603 | 3471 | 3471 | 0 |
| Jun-88 | 2877 | 4642 | 2877 | 2877 | 0 |
| Jul-88 | 2280 | 3678 | 2280 | 2280 | 0 |
| Aug-88 | 2936 | 4736 | 2936 | 2936 | 0 |
| Sep-88 | 3937 | 6352 | 3937 | 3937 | 0 |
| Oct-88 | 2649 | 4274 | 2649 | 2649 | 0 |
| Nov-88 | 2723 | 4393 | 2723 | 2723 | 0 |
| Dec-88 | 2973 | 4798 | 2973 | 2973 | 0 |
| Jan-89 | 3172 | 5118 | 3172 | 3172 | 0 |
| Feb-89 | 3549 | 5720 | 3549 | 3549 | 0 |
| Mar-89 | 2655 | 4283 | 2655 | 2655 | 0 |
| Apr-89 | 3625 | 5848 | 3625 | 3625 | 0 |
| May-89 | 3471 | 5603 | 3471 | 3471 | 0 |
| Jun-89 | 2877 | 4642 | 2877 | 2877 | 0 |
| Jul-89 | 2280 | 3678 | 2280 | 2280 | 0 |
| Aug-89 | 2936 | 4736 | 2936 | 2936 | 0 |
| Sep-89 | 3937 | 6352 | 3937 | 3937 | 0 |
| Oct-89 | 2649 | 4274 | 2649 | 2649 | 0 |
| Nov-89 | 2723 | 4393 | 2723 | 2723 | 0 |
| Dec-89 | 2973 | 4798 | 2973 | 2973 | 0 |

| Month | Port Richmond Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 3477 | 5611 | 3477 | 3477 | 0 |
| Feb-88 | 3486 | 5628 | 3486 | 3486 | 0 |
| Mar-88 | 2594 | 4183 | 2594 | 2594 | 0 |
| Apr-88 | 4126 | 6654 | 4126 | 4126 | 0 |
| May-88 | 3252 | 5250 | 3252 | 3252 | 0 |
| Jun-88 | 2319 | 3744 | 2319 | 2319 | 0 |
| Jul-88 | 2426 | 3911 | 2426 | 2426 | 0 |
| Aug-88 | 2952 | 4765 | 2952 | 2952 | 0 |
| Sep-88 | 2319 | 3744 | 2319 | 2319 | 0 |
| Oct-88 | 1650 | 2662 | 1650 | 1650 | 0 |
| Nov-88 | 1675 | 2704 | 1675 | 1675 | 0 |
| Dec-88 | 2546 | 4110 | 2546 | 2546 | 0 |
| Jan-89 | 3482 | 5618 | 3482 | 3482 | 0 |
| Feb-89 | 3486 | 5628 | 3486 | 3486 | 0 |
| Mar-89 | 2594 | 4183 | 2594 | 2594 | 0 |
| Apr-89 | 4126 | 6654 | 4126 | 4126 | 0 |
| May-89 | 3252 | 5250 | 3252 | 3252 | 0 |
| Jun-89 | 2319 | 3744 | 2319 | 2319 | 0 |
| Jul-89 | 2426 | 3911 | 2426 | 2426 | 0 |
| Aug-89 | 2952 | 4765 | 2952 | 2952 | 0 |
| Sep-89 | 2319 | 3744 | 2319 | 2319 | 0 |
| Oct-89 | 1650 | 2662 | 1650 | 1650 | 0 |
| Nov-89 | 1675 | 2704 | 1675 | 1675 | 0 |
| Dec-89 | 2546 | 4110 | 2546 | 2546 | 0 |

| Linden Roselle Total Nitrogen Load (lb/d) | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 10247 | 14247 | 10247 | 485 | 0 | |
| Feb-88 | 13771 | 19172 | 13771 | 491 | 0 | |
| Mar-88 | 11385 | 15841 | 11385 | 536 | 0 | |
| Apr-88 | 7695 | 10710 | 7695 | 540 | 0 | |
| May-88 | 6391 | 8911 | 6391 | 450 | 0 | |
| Jun-88 | 6120 | 8506 | 6120 | 432 | 0 | |
| Jul-88 | 5220 | 7245 | 5220 | 490 | 0 | |
| Aug-88 | 7201 | 10035 | 7201 | 405 | 0 | |
| Sep-88 | 5896 | 8191 | 5896 | 417 | 0 | |
| Oct-88 | 2817 | 3920 | 2817 | 398 | 0 | |
| Nov-88 | 2993 | 4163 | 2993 | 424 | 0 | |
| Dec-88 | 6255 | 8685 | 6255 | 440 | 0 | |
| Jan-89 | 10260 | 14266 | 10260 | 486 | 0 | |
| Feb-89 | 13771 | 19172 | 13771 | 491 | 0 | |
| Mar-89 | 11385 | 15841 | 11385 | 536 | 0 | |
| Apr-89 | 7695 | 10710 | 7695 | 540 | 0 | |
| May-89 | 6391 | 8911 | 6391 | 450 | 0 | |
| Jun-89 | 6120 | 8506 | 6120 | 432 | 0 | |
| Jul-89 | 5220 | 7245 | 5220 | 490 | 0 | |
| Aug-89 | 7201 | 10035 | 7201 | 405 | 0 | |
| Sep-89 | 5896 | 8191 | 5896 | 417 | 0 | |
| Oct-89 | 2817 | 3920 | 2817 | 398 | 0 | |
| Nov-89 | 2993 | 4163 | 2993 | 424 | 0 | |
| Dec-89 | 6255 | 8685 | 6255 | 440 | 0 | |

| Month | Linden Roselle Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 2464 | 3428 | 2464 | 362 |
| Feb-88 | 3320 | 4623 | 3320 | 365 | 0 |
| Mar-88 | 2739 | 3810 | 2739 | 401 | 0 |
| Apr-88 | 1847 | 2575 | 1847 | 405 | 0 |
| May-88 | 1541 | 2143 | 1541 | 337 | 0 |
| Jun-88 | 1471 | 2048 | 1471 | 323 | 0 |
| Jul-88 | 1254 | 1743 | 1254 | 365 | 0 |
| Aug-88 | 1732 | 2406 | 1732 | 303 | 0 |
| Sep-88 | 1425 | 1981 | 1425 | 311 | 0 |
| Oct-88 | 678 | 943 | 678 | 297 | 0 |
| Nov-88 | 720 | 1002 | 720 | 317 | 0 |
| Dec-88 | 1503 | 2091 | 1503 | 328 | 0 |
| Jan-89 | 2467 | 3433 | 2467 | 362 | 0 |
| Feb-89 | 3320 | 4623 | 3320 | 365 | 0 |
| Mar-89 | 2739 | 3810 | 2739 | 401 | 0 |
| Apr-89 | 1847 | 2575 | 1847 | 405 | 0 |
| May-89 | 1541 | 2143 | 1541 | 337 | 0 |
| Jun-89 | 1471 | 2048 | 1471 | 323 | 0 |
| Jul-89 | 1254 | 1743 | 1254 | 365 | 0 |
| Aug-89 | 1732 | 2406 | 1732 | 303 | 0 |
| Sep-89 | 1425 | 1981 | 1425 | 311 | 0 |
| Oct-89 | 678 | 943 | 678 | 297 | 0 |
| Nov-89 | 720 | 1002 | 720 | 317 | 0 |
| Dec-89 | 1503 | 2091 | 1503 | 328 | 0 |

| Jnt Meeting Essex Union Total Nitrogen Load (lb/d) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 5094 | 7518 | 5094 | 2205 | 0 | |
| Feb-88 | 9010 | 13299 | 9010 | 2346 | 0 | |
| Mar-88 | 10203 | 15061 | 10203 | 2336 | 0 | |
| Apr-88 | 11596 | 17107 | 11596 | 2018 | 0 | |
| May-88 | 13523 | 19949 | 13523 | 1976 | 0 | |
| Jun-88 | 13186 | 19483 | 13186 | 1856 | 0 | |
| Jul-88 | 13417 | 19809 | 13417 | 1976 | 0 | |
| Aug-88 | 14037 | 20704 | 14037 | 2114 | 0 | |
| Sep-88 | 12457 | 18400 | 12457 | 2171 | 0 | |
| Oct-88 | 4304 | 6348 | 4304 | 2157 | 0 | |
| Nov-88 | 4224 | 6232 | 4224 | 2322 | 0 | |
| Dec-88 | 7311 | 10770 | 7311 | 2490 | 0 | |
| Jan-89 | 5101 | 7528 | 5101 | 2208 | 0 | |
| Feb-89 | 9010 | 13299 | 9010 | 2346 | 0 | |
| Mar-89 | 10203 | 15061 | 10203 | 2336 | 0 | |
| Apr-89 | 11596 | 17107 | 11596 | 2018 | 0 | |
| May-89 | 13523 | 19949 | 13523 | 1976 | 0 | |
| Jun-89 | 13186 | 19483 | 13186 | 1856 | 0 | |
| Jul-89 | 13417 | 19809 | 13417 | 1976 | 0 | |
| Aug-89 | 14037 | 20704 | 14037 | 2114 | 0 | |
| Sep-89 | 12457 | 18400 | 12457 | 2171 | 0 | |
| Oct-89 | 4304 | 6348 | 4304 | 2157 | 0 | |
| Nov-89 | 4224 | 6232 | 4224 | 2322 | 0 | |
| Dec-89 | 7311 | 10770 | 7311 | 2490 | 0 | |

| Jnt Meeting Essex Union Total Organic Carbon Load (lb/d) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 12347 | 18221 | 12347 | 2018 | 0 | |
| Feb-88 | 9537 | 14074 | 9537 | 2146 | 0 | |
| Mar-88 | 13060 | 19282 | 13060 | 2138 | 0 | |
| Apr-88 | 10260 | 15146 | 10260 | 1847 | 0 | |
| May-88 | 4771 | 7037 | 4771 | 1808 | 0 | |
| Jun-88 | 5185 | 7650 | 5185 | 1698 | 0 | |
| Jul-88 | 4515 | 6667 | 4515 | 1807 | 0 | |
| Aug-88 | 5917 | 8735 | 5917 | 1937 | 0 | |
| Sep-88 | 3862 | 5701 | 3862 | 1987 | 0 | |
| Oct-88 | 13713 | 20208 | 13713 | 1974 | 0 | |
| Nov-88 | 15327 | 22615 | 15327 | 2125 | 0 | |
| Dec-88 | 18329 | 27046 | 18329 | 2276 | 0 | |
| Jan-89 | 12364 | 18245 | 12364 | 2020 | 0 | |
| Feb-89 | 9537 | 14074 | 9537 | 2146 | 0 | |
| Mar-89 | 13060 | 19282 | 13060 | 2138 | 0 | |
| Apr-89 | 10260 | 15146 | 10260 | 1847 | 0 | |
| May-89 | 4771 | 7037 | 4771 | 1808 | 0 | |
| Jun-89 | 5185 | 7650 | 5185 | 1698 | 0 | |
| Jul-89 | 4515 | 6667 | 4515 | 1807 | 0 | |
| Aug-89 | 5917 | 8735 | 5917 | 1937 | 0 | |
| Sep-89 | 3862 | 5701 | 3862 | 1987 | 0 | |
| Oct-89 | 13713 | 20208 | 13713 | 1974 | 0 | |
| Nov-89 | 15327 | 22615 | 15327 | 2125 | 0 | |
| Dec-89 | 18329 | 27046 | 18329 | 2276 | 0 | |

| Month | Rahway Total Nitrogen Load (lb/d) | | | | |
|--------|--------------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2977 | 4742 | 2977 | 1018 | 0 |
| Feb-88 | 4424 | 7059 | 4424 | 1006 | 0 |
| Mar-88 | 3966 | 6314 | 3966 | 1086 | 0 |
| Apr-88 | 4021 | 6404 | 4021 | 945 | 0 |
| May-88 | 3847 | 6126 | 3847 | 918 | 0 |
| Jun-88 | 3423 | 5454 | 3423 | 918 | 0 |
| Jul-88 | 3498 | 5568 | 3498 | 979 | 0 |
| Aug-88 | 4056 | 6460 | 4056 | 884 | 0 |
| Sep-88 | 3453 | 5498 | 3453 | 870 | 0 |
| Oct-88 | 2782 | 4429 | 2782 | 857 | 0 |
| Nov-88 | 3144 | 5006 | 3144 | 876 | 0 |
| Dec-88 | 5783 | 9229 | 5783 | 951 | 0 |
| Jan-89 | 2981 | 4748 | 2981 | 1019 | 0 |
| Feb-89 | 4424 | 7059 | 4424 | 1006 | 0 |
| Mar-89 | 3966 | 6314 | 3966 | 1086 | 0 |
| Apr-89 | 4021 | 6404 | 4021 | 945 | 0 |
| May-89 | 3847 | 6126 | 3847 | 918 | 0 |
| Jun-89 | 3423 | 5454 | 3423 | 918 | 0 |
| Jul-89 | 3498 | 5568 | 3498 | 979 | 0 |
| Aug-89 | 4056 | 6460 | 4056 | 884 | 0 |
| Sep-89 | 3453 | 5498 | 3453 | 870 | 0 |
| Oct-89 | 2782 | 4429 | 2782 | 857 | 0 |
| Nov-89 | 3144 | 5006 | 3144 | 876 | 0 |
| Dec-89 | 5783 | 9229 | 5783 | 951 | 0 |

| Month | Rahway Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 4513 | 7191 | 4513 | 920 | 0 |
| Feb-88 | 6711 | 10684 | 6711 | 908 | 0 |
| Mar-88 | 6010 | 9577 | 6010 | 980 | 0 |
| Apr-88 | 6098 | 9714 | 6098 | 854 | 0 |
| May-88 | 5833 | 9290 | 5833 | 830 | 0 |
| Jun-88 | 5190 | 8263 | 5190 | 830 | 0 |
| Jul-88 | 5296 | 8439 | 5296 | 884 | 0 |
| Aug-88 | 6142 | 9780 | 6142 | 799 | 0 |
| Sep-88 | 5225 | 8320 | 5225 | 786 | 0 |
| Oct-88 | 4215 | 6720 | 4215 | 773 | 0 |
| Nov-88 | 4766 | 7588 | 4766 | 789 | 0 |
| Dec-88 | 8766 | 13955 | 8766 | 857 | 0 |
| Jan-89 | 4519 | 7200 | 4519 | 922 | 0 |
| Feb-89 | 6711 | 10684 | 6711 | 908 | 0 |
| Mar-89 | 6010 | 9577 | 6010 | 980 | 0 |
| Apr-89 | 6098 | 9714 | 6098 | 854 | 0 |
| May-89 | 5833 | 9290 | 5833 | 830 | 0 |
| Jun-89 | 5190 | 8263 | 5190 | 830 | 0 |
| Jul-89 | 5296 | 8439 | 5296 | 884 | 0 |
| Aug-89 | 6142 | 9780 | 6142 | 799 | 0 |
| Sep-89 | 5225 | 8320 | 5225 | 786 | 0 |
| Oct-89 | 4215 | 6720 | 4215 | 773 | 0 |
| Nov-89 | 4766 | 7588 | 4766 | 789 | 0 |
| Dec-89 | 8766 | 13955 | 8766 | 857 | 0 |

| Oakwood Beach Total Nitrogen Load (lb/d) | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 3293 | 5000 | 3293 | 3293 | 0 | |
| Feb-88 | 3120 | 4739 | 3120 | 3120 | 0 | |
| Mar-88 | 3494 | 5310 | 3494 | 3494 | 0 | |
| Apr-88 | 4813 | 7311 | 4813 | 4813 | 0 | |
| May-88 | 3714 | 5642 | 3714 | 3714 | 0 | |
| Jun-88 | 6201 | 9417 | 6201 | 6201 | 0 | |
| Jul-88 | 6321 | 9594 | 6321 | 6321 | 0 | |
| Aug-88 | 5586 | 8464 | 5586 | 5586 | 0 | |
| Sep-88 | 7214 | 10947 | 7214 | 7214 | 0 | |
| Oct-88 | 2888 | 4386 | 2888 | 2888 | 0 | |
| Nov-88 | 3202 | 4860 | 3202 | 3202 | 0 | |
| Dec-88 | 3886 | 5904 | 3886 | 3886 | 0 | |
| Jan-89 | 3298 | 5007 | 3298 | 3298 | 0 | |
| Feb-89 | 3120 | 4739 | 3120 | 3120 | 0 | |
| Mar-89 | 3494 | 5310 | 3494 | 3494 | 0 | |
| Apr-89 | 4813 | 7311 | 4813 | 4813 | 0 | |
| May-89 | 3714 | 5642 | 3714 | 3714 | 0 | |
| Jun-89 | 6201 | 9417 | 6201 | 6201 | 0 | |
| Jul-89 | 6321 | 9594 | 6321 | 6321 | 0 | |
| Aug-89 | 5586 | 8464 | 5586 | 5586 | 0 | |
| Sep-89 | 7214 | 10947 | 7214 | 7214 | 0 | |
| Oct-89 | 2888 | 4386 | 2888 | 2888 | 0 | |
| Nov-89 | 3202 | 4860 | 3202 | 3202 | 0 | |
| Dec-89 | 3886 | 5904 | 3886 | 3886 | 0 | |

| Month | Oakwood Beach Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2803 | 4253 | 2803 | 2803 | 0 |
| Feb-88 | 3059 | 4646 | 3059 | 3059 | 0 |
| Mar-88 | 3069 | 4657 | 3069 | 3069 | 0 |
| Apr-88 | 3112 | 4724 | 3112 | 3112 | 0 |
| May-88 | 3015 | 4579 | 3015 | 3015 | 0 |
| Jun-88 | 3010 | 4569 | 3010 | 3010 | 0 |
| Jul-88 | 2623 | 3978 | 2623 | 2623 | 0 |
| Aug-88 | 2623 | 3978 | 2623 | 2623 | 0 |
| Sep-88 | 2130 | 3233 | 2130 | 2130 | 0 |
| Oct-88 | 2054 | 3117 | 2054 | 2054 | 0 |
| Nov-88 | 2556 | 3882 | 2556 | 2556 | 0 |
| Dec-88 | 2404 | 3658 | 2404 | 2404 | 0 |
| Jan-89 | 2807 | 4259 | 2807 | 2807 | 0 |
| Feb-89 | 3059 | 4646 | 3059 | 3059 | 0 |
| Mar-89 | 3069 | 4657 | 3069 | 3069 | 0 |
| Apr-89 | 3112 | 4724 | 3112 | 3112 | 0 |
| May-89 | 3015 | 4579 | 3015 | 3015 | 0 |
| Jun-89 | 3010 | 4569 | 3010 | 3010 | 0 |
| Jul-89 | 2623 | 3978 | 2623 | 2623 | 0 |
| Aug-89 | 2623 | 3978 | 2623 | 2623 | 0 |
| Sep-89 | 2130 | 3233 | 2130 | 2130 | 0 |
| Oct-89 | 2054 | 3117 | 2054 | 2054 | 0 |
| Nov-89 | 2556 | 3882 | 2556 | 2556 | 0 |
| Dec-89 | 2404 | 3658 | 2404 | 2404 | 0 |

| Middlesex County Total Nitrogen Load (lb/d) | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 30722 | 42001 | 30722 | 4112 | 0 | |
| Feb-88 | 37483 | 51128 | 37483 | 3908 | 0 | |
| Mar-88 | 32713 | 44692 | 32713 | 4012 | 0 | |
| Apr-88 | 29056 | 39715 | 29056 | 3441 | 0 | |
| May-88 | 27065 | 36993 | 27065 | 3388 | 0 | |
| Jun-88 | 29546 | 40395 | 29546 | 3276 | 0 | |
| Jul-88 | 26675 | 36459 | 26675 | 3559 | 0 | |
| Aug-88 | 27938 | 38206 | 27938 | 3246 | 0 | |
| Sep-88 | 27992 | 38264 | 27992 | 3383 | 0 | |
| Oct-88 | 32713 | 44692 | 32713 | 3325 | 0 | |
| Nov-88 | 32762 | 44784 | 32762 | 3602 | 0 | |
| Dec-88 | 35436 | 48433 | 35436 | 3831 | 0 | |
| Jan-89 | 30763 | 42058 | 30763 | 4118 | 0 | |
| Feb-89 | 37483 | 51129 | 37483 | 3908 | 0 | |
| Mar-89 | 32713 | 44692 | 32713 | 4012 | 0 | |
| Apr-89 | 29056 | 39715 | 29056 | 3441 | 0 | |
| May-89 | 27065 | 36993 | 27065 | 3388 | 0 | |
| Jun-89 | 29546 | 40395 | 29546 | 3276 | 0 | |
| Jul-89 | 26675 | 36459 | 26675 | 3559 | 0 | |
| Aug-89 | 27938 | 38206 | 27938 | 3246 | 0 | |
| Sep-89 | 27992 | 38264 | 27992 | 3383 | 0 | |
| Oct-89 | 32713 | 44692 | 32713 | 3325 | 0 | |
| Nov-89 | 32762 | 44784 | 32762 | 3602 | 0 | |
| Dec-89 | 35436 | 48433 | 35436 | 3831 | 0 | |

| Month | Middlesex County Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 38181 | 52170 | 38181 | 3603 | 0 |
| Feb-88 | 33819 | 46196 | 33819 | 3430 | 0 |
| Mar-88 | 44661 | 61068 | 44661 | 3516 | 0 |
| Apr-88 | 51134 | 69887 | 51134 | 3017 | 0 |
| May-88 | 29269 | 39970 | 29269 | 2970 | 0 |
| Jun-88 | 22306 | 30463 | 22306 | 2873 | 0 |
| Jul-88 | 28682 | 39233 | 28682 | 3127 | 0 |
| Aug-88 | 24110 | 32911 | 24110 | 2844 | 0 |
| Sep-88 | 31376 | 42889 | 31376 | 2970 | 0 |
| Oct-88 | 18497 | 25278 | 18497 | 2917 | 0 |
| Nov-88 | 26769 | 36601 | 26769 | 3157 | 0 |
| Dec-88 | 56967 | 77911 | 56967 | 3357 | 0 |
| Jan-89 | 38233 | 52241 | 38233 | 3608 | 0 |
| Feb-89 | 33819 | 46196 | 33819 | 3430 | 0 |
| Mar-89 | 44661 | 61068 | 44661 | 3516 | 0 |
| Apr-89 | 51134 | 69887 | 51134 | 3017 | 0 |
| May-89 | 29269 | 39970 | 29269 | 2970 | 0 |
| Jun-89 | 22306 | 30463 | 22306 | 2873 | 0 |
| Jul-89 | 28682 | 39233 | 28682 | 3127 | 0 |
| Aug-89 | 24110 | 32911 | 24110 | 2844 | 0 |
| Sep-89 | 31376 | 42889 | 31376 | 2970 | 0 |
| Oct-89 | 18497 | 25278 | 18497 | 2917 | 0 |
| Nov-89 | 26769 | 36601 | 26769 | 3157 | 0 |
| Dec-89 | 56967 | 77911 | 56967 | 3357 | 0 |

| Month | North River Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 25745 | 28102 | 25745 | 15697 | 0 |
| Feb-88 | 20754 | 22649 | 20754 | 15610 | 0 |
| Mar-88 | 19196 | 20918 | 19196 | 14907 | 0 |
| Apr-88 | 22412 | 24414 | 22412 | 14629 | 0 |
| May-88 | 22731 | 24767 | 22731 | 14704 | 0 |
| Jun-88 | 23351 | 25468 | 23351 | 15219 | 0 |
| Jul-88 | 26256 | 28609 | 26256 | 16221 | 0 |
| Aug-88 | 26010 | 28321 | 26010 | 16006 | 0 |
| Sep-88 | 26363 | 28713 | 26363 | 16242 | 0 |
| Oct-88 | 26168 | 28554 | 26168 | 15824 | 0 |
| Nov-88 | 29670 | 32359 | 29670 | 16751 | 0 |
| Dec-88 | 21656 | 23580 | 21656 | 15546 | 0 |
| Jan-89 | 25780 | 28140 | 25780 | 15718 | 0 |
| Feb-89 | 20754 | 22649 | 20754 | 15610 | 0 |
| Mar-89 | 19196 | 20918 | 19196 | 14907 | 0 |
| Apr-89 | 22412 | 24414 | 22412 | 14629 | 0 |
| May-89 | 22731 | 24767 | 22731 | 14704 | 0 |
| Jun-89 | 23351 | 25468 | 23351 | 15219 | 0 |
| Jul-89 | 26256 | 28609 | 26256 | 16221 | 0 |
| Aug-89 | 26010 | 28321 | 26010 | 16006 | 0 |
| Sep-89 | 26363 | 28713 | 26363 | 16242 | 0 |
| Oct-89 | 26168 | 28554 | 26168 | 15824 | 0 |
| Nov-89 | 29670 | 32359 | 29670 | 16751 | 0 |
| Dec-89 | 21656 | 23580 | 21656 | 15546 | 0 |

| Month | North River | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 23470 | 25574 | 23470 | 18291 | 0 |
| Feb-88 | 20009 | 21848 | 20009 | 18171 | 0 |
| Mar-88 | 19136 | 20851 | 19136 | 17390 | 0 |
| Apr-88 | 18730 | 20450 | 18730 | 17020 | 0 |
| May-88 | 18845 | 20551 | 18845 | 17126 | 0 |
| Jun-88 | 21156 | 23043 | 21156 | 17699 | 0 |
| Jul-88 | 22544 | 24573 | 22544 | 18845 | 0 |
| Aug-88 | 20538 | 22399 | 20538 | 18651 | 0 |
| Sep-88 | 25988 | 28329 | 25988 | 18854 | 0 |
| Oct-88 | 21998 | 24004 | 21998 | 18413 | 0 |
| Nov-88 | 26769 | 29172 | 26769 | 19454 | 0 |
| Dec-88 | 33140 | 36129 | 33140 | 18047 | 0 |
| Jan-89 | 23501 | 25609 | 23501 | 18316 | 0 |
| Feb-89 | 20009 | 21848 | 20009 | 18171 | 0 |
| Mar-89 | 19136 | 20851 | 19136 | 17390 | 0 |
| Apr-89 | 18730 | 20450 | 18730 | 17020 | 0 |
| May-89 | 18845 | 20551 | 18845 | 17126 | 0 |
| Jun-89 | 21156 | 23043 | 21156 | 17699 | 0 |
| Jul-89 | 22544 | 24573 | 22544 | 18845 | 0 |
| Aug-89 | 20538 | 22399 | 20538 | 18651 | 0 |
| Sep-89 | 25988 | 28329 | 25988 | 18854 | 0 |
| Oct-89 | 21998 | 24004 | 21998 | 18413 | 0 |
| Nov-89 | 26769 | 29172 | 26769 | 19454 | 0 |
| Dec-89 | 33140 | 36129 | 33140 | 18047 | 0 |

| Month | Owls Head Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 21242 | 20542 | 14777 | 12007 | 0 |
| Feb-88 | 17361 | 16776 | 15395 | 12524 | 0 |
| Mar-88 | 19054 | 18413 | 16509 | 11906 | 0 |
| Apr-88 | 16118 | 15588 | 15987 | 12339 | 0 |
| May-88 | 15636 | 15099 | 15006 | 12212 | 0 |
| Jun-88 | 16163 | 15613 | 14920 | 12416 | 0 |
| Jul-88 | 21472 | 20768 | 13188 | 12937 | 0 |
| Aug-88 | 15861 | 15345 | 12690 | 12529 | 0 |
| Sep-88 | 16023 | 15495 | 13900 | 12725 | 0 |
| Oct-88 | 16580 | 16040 | 15381 | 12332 | 0 |
| Nov-88 | 20607 | 19921 | 14916 | 12633 | 0 |
| Dec-88 | 25854 | 24990 | 14996 | 12619 | 0 |
| Jan-89 | 21271 | 20570 | 14797 | 12024 | 0 |
| Feb-89 | 17361 | 16776 | 15395 | 12524 | 0 |
| Mar-89 | 19054 | 18413 | 16509 | 11906 | 0 |
| Apr-89 | 16118 | 15588 | 15987 | 12339 | 0 |
| May-89 | 15636 | 15099 | 15006 | 12212 | 0 |
| Jun-89 | 16163 | 15613 | 14920 | 12416 | 0 |
| Jul-89 | 21472 | 20768 | 13188 | 12937 | 0 |
| Aug-89 | 15861 | 15345 | 12690 | 12529 | 0 |
| Sep-89 | 16023 | 15495 | 13900 | 12725 | 0 |
| Oct-89 | 16580 | 16040 | 15381 | 12332 | 0 |
| Nov-89 | 20607 | 19921 | 14916 | 12633 | 0 |
| Dec-89 | 25854 | 24990 | 14996 | 12619 | 0 |

| Month | Owls Head | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 21264 | 20563 | 13835 | 13835 | 0 |
| Feb-88 | 23903 | 23122 | 12165 | 12165 | 0 |
| Mar-88 | 19502 | 18832 | 14872 | 14162 | 0 |
| Apr-88 | 18448 | 17879 | 23082 | 14687 | 0 |
| May-88 | 19978 | 19299 | 10498 | 10498 | 0 |
| Jun-88 | 18598 | 18029 | 13439 | 13439 | 0 |
| Jul-88 | 19365 | 18695 | 18448 | 15371 | 0 |
| Aug-88 | 13655 | 13206 | 11543 | 11543 | 0 |
| Sep-88 | 13876 | 13417 | 19511 | 15128 | 0 |
| Oct-88 | 23515 | 22743 | 19956 | 14678 | 0 |
| Nov-88 | 48105 | 46473 | 23065 | 15000 | 0 |
| Dec-88 | 25825 | 24974 | 39864 | 15000 | 0 |
| Jan-89 | 21292 | 20591 | 13854 | 13854 | 0 |
| Feb-89 | 23903 | 23122 | 12165 | 12165 | 0 |
| Mar-89 | 19502 | 18832 | 14872 | 14162 | 0 |
| Apr-89 | 18448 | 17879 | 23082 | 14687 | 0 |
| May-89 | 19978 | 19299 | 10498 | 10498 | 0 |
| Jun-89 | 18598 | 18029 | 13439 | 13439 | 0 |
| Jul-89 | 19365 | 18695 | 18448 | 15371 | 0 |
| Aug-89 | 13655 | 13206 | 11543 | 11543 | 0 |
| Sep-89 | 13876 | 13417 | 19511 | 15128 | 0 |
| Oct-89 | 23515 | 22743 | 19956 | 14678 | 0 |
| Nov-89 | 48105 | 46473 | 23065 | 15000 | 0 |
| Dec-89 | 25825 | 24974 | 39864 | 15000 | 0 |

| Month | Yonkers | | | | |
|--------|----------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Nitrogen Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 10816 | 17175 | 10816 | 10816 | 0 |
| Feb-88 | 11188 | 17743 | 11188 | 11188 | 0 |
| Mar-88 | 10968 | 17408 | 10968 | 10968 | 0 |
| Apr-88 | 10443 | 16558 | 10443 | 10443 | 0 |
| May-88 | 9096 | 14450 | 9096 | 9096 | 0 |
| Jun-88 | 13330 | 21151 | 13330 | 13330 | 0 |
| Jul-88 | 13148 | 20895 | 13148 | 13148 | 0 |
| Aug-88 | 10068 | 16004 | 10068 | 10068 | 0 |
| Sep-88 | 13061 | 20743 | 13061 | 13061 | 0 |
| Oct-88 | 11543 | 18338 | 11543 | 11543 | 0 |
| Nov-88 | 13606 | 21621 | 13606 | 13606 | 0 |
| Dec-88 | 8726 | 13833 | 8726 | 8726 | 0 |
| Jan-89 | 10831 | 17198 | 10831 | 10831 | 0 |
| Feb-89 | 11188 | 17743 | 11188 | 11188 | 0 |
| Mar-89 | 10968 | 17408 | 10968 | 10968 | 0 |
| Apr-89 | 10443 | 16558 | 10443 | 10443 | 0 |
| May-89 | 9096 | 14450 | 9096 | 9096 | 0 |
| Jun-89 | 13330 | 21151 | 13330 | 13330 | 0 |
| Jul-89 | 13148 | 20895 | 13148 | 13148 | 0 |
| Aug-89 | 10068 | 16004 | 10068 | 10068 | 0 |
| Sep-89 | 13061 | 20743 | 13061 | 13061 | 0 |
| Oct-89 | 11543 | 18338 | 11543 | 11543 | 0 |
| Nov-89 | 13606 | 21621 | 13606 | 13606 | 0 |
| Dec-89 | 8726 | 13833 | 8726 | 8726 | 0 |

| Month | Yonkers | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 18921 | 30048 | 18921 | 11484 | 0 |
| Feb-88 | 15860 | 25186 | 15860 | 10494 | 0 |
| Mar-88 | 13506 | 21469 | 13506 | 10922 | 0 |
| Apr-88 | 15022 | 23819 | 15022 | 10926 | 0 |
| May-88 | 11998 | 19039 | 11998 | 10926 | 0 |
| Jun-88 | 11861 | 18814 | 11861 | 10785 | 0 |
| Jul-88 | 10225 | 16226 | 10225 | 10225 | 0 |
| Aug-88 | 4383 | 6962 | 4383 | 4383 | 0 |
| Sep-88 | 6080 | 9652 | 6080 | 6080 | 0 |
| Oct-88 | 4264 | 6768 | 4264 | 4264 | 0 |
| Nov-88 | 9004 | 14312 | 9004 | 9004 | 0 |
| Dec-88 | 12328 | 19581 | 12328 | 11213 | 0 |
| Jan-89 | 18947 | 30089 | 18947 | 11499 | 0 |
| Feb-89 | 15860 | 25186 | 15860 | 10494 | 0 |
| Mar-89 | 13506 | 21469 | 13506 | 10922 | 0 |
| Apr-89 | 15022 | 23819 | 15022 | 10926 | 0 |
| May-89 | 11998 | 19039 | 11998 | 10926 | 0 |
| Jun-89 | 11861 | 18814 | 11861 | 10785 | 0 |
| Jul-89 | 10225 | 16226 | 10225 | 10225 | 0 |
| Aug-89 | 4383 | 6962 | 4383 | 4383 | 0 |
| Sep-89 | 6080 | 9652 | 6080 | 6080 | 0 |
| Oct-89 | 4264 | 6768 | 4264 | 4264 | 0 |
| Nov-89 | 9004 | 14312 | 9004 | 9004 | 0 |
| Dec-89 | 12328 | 19581 | 12328 | 11213 | 0 |

| North Bergen Woodcliff Total Nitrogen Load (lb/d) | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 337 | 392 | 337 | 337 | 0 | |
| Feb-88 | 365 | 425 | 365 | 365 | 0 | |
| Mar-88 | 350 | 407 | 350 | 350 | 0 | |
| Apr-88 | 322 | 375 | 322 | 322 | 0 | |
| May-88 | 348 | 405 | 348 | 348 | 0 | |
| Jun-88 | 406 | 472 | 406 | 406 | 0 | |
| Jul-88 | 360 | 420 | 360 | 360 | 0 | |
| Aug-88 | 321 | 374 | 321 | 321 | 0 | |
| Sep-88 | 317 | 368 | 317 | 317 | 0 | |
| Oct-88 | 338 | 394 | 338 | 338 | 0 | |
| Nov-88 | 349 | 406 | 349 | 349 | 0 | |
| Dec-88 | 389 | 453 | 389 | 389 | 0 | |
| Jan-89 | 338 | 393 | 338 | 338 | 0 | |
| Feb-89 | 365 | 425 | 365 | 365 | 0 | |
| Mar-89 | 350 | 407 | 350 | 350 | 0 | |
| Apr-89 | 322 | 375 | 322 | 322 | 0 | |
| May-89 | 348 | 405 | 348 | 348 | 0 | |
| Jun-89 | 406 | 472 | 406 | 406 | 0 | |
| Jul-89 | 360 | 420 | 360 | 360 | 0 | |
| Aug-89 | 321 | 374 | 321 | 321 | 0 | |
| Sep-89 | 317 | 368 | 317 | 317 | 0 | |
| Oct-89 | 338 | 394 | 338 | 338 | 0 | |
| Nov-89 | 349 | 406 | 349 | 349 | 0 | |
| Dec-89 | 389 | 453 | 389 | 389 | 0 | |

| North Bergen Woodcliff | | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|--|
| Total Organic Carbon Load (lb/d) | | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 758 | 883 | 758 | 183 | 0 | |
| Feb-88 | 1131 | 1317 | 1131 | 183 | 0 | |
| Mar-88 | 897 | 1044 | 897 | 170 | 0 | |
| Apr-88 | 807 | 939 | 807 | 163 | 0 | |
| May-88 | 697 | 811 | 697 | 177 | 0 | |
| Jun-88 | 589 | 685 | 589 | 176 | 0 | |
| Jul-88 | 506 | 589 | 506 | 170 | 0 | |
| Aug-88 | 557 | 649 | 557 | 156 | 0 | |
| Sep-88 | 448 | 521 | 448 | 156 | 0 | |
| Oct-88 | 596 | 694 | 596 | 156 | 0 | |
| Nov-88 | 875 | 1019 | 875 | 163 | 0 | |
| Dec-88 | 694 | 808 | 694 | 183 | 0 | |
| Jan-89 | 759 | 884 | 759 | 183 | 0 | |
| Feb-89 | 1131 | 1317 | 1131 | 183 | 0 | |
| Mar-89 | 897 | 1044 | 897 | 170 | 0 | |
| Apr-89 | 807 | 939 | 807 | 163 | 0 | |
| May-89 | 697 | 811 | 697 | 177 | 0 | |
| Jun-89 | 589 | 685 | 589 | 176 | 0 | |
| Jul-89 | 506 | 589 | 506 | 170 | 0 | |
| Aug-89 | 557 | 649 | 557 | 156 | 0 | |
| Sep-89 | 448 | 521 | 448 | 156 | 0 | |
| Oct-89 | 596 | 694 | 596 | 156 | 0 | |
| Nov-89 | 875 | 1019 | 875 | 163 | 0 | |
| Dec-89 | 694 | 808 | 694 | 183 | 0 | |

| Month | Hoboken Total Nitrogen Load (lb/d) | | | | |
|--------|---------------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 1100 | 2119 | 1100 | 1100 |
| Feb-88 | 1274 | 2449 | 1274 | 1274 | 0 |
| Mar-88 | 534 | 1026 | 534 | 534 | 0 |
| Apr-88 | 1118 | 2150 | 1118 | 1118 | 0 |
| May-88 | 1621 | 3119 | 1621 | 1621 | 0 |
| Jun-88 | 3049 | 5852 | 3049 | 2344 | 0 |
| Jul-88 | 2102 | 4045 | 2102 | 2102 | 0 |
| Aug-88 | 2755 | 5304 | 2755 | 2147 | 0 |
| Sep-88 | 2244 | 4319 | 2244 | 2128 | 0 |
| Oct-88 | 3056 | 5885 | 3056 | 2365 | 0 |
| Nov-88 | 1975 | 3798 | 1975 | 1975 | 0 |
| Dec-88 | 1415 | 2721 | 1415 | 1415 | 0 |
| Jan-89 | 1102 | 2122 | 1102 | 1102 | 0 |
| Feb-89 | 1274 | 2449 | 1274 | 1274 | 0 |
| Mar-89 | 534 | 1026 | 534 | 534 | 0 |
| Apr-89 | 1118 | 2150 | 1118 | 1118 | 0 |
| May-89 | 1621 | 3119 | 1621 | 1621 | 0 |
| Jun-89 | 3049 | 5852 | 3049 | 2344 | 0 |
| Jul-89 | 2102 | 4045 | 2102 | 2102 | 0 |
| Aug-89 | 2755 | 5304 | 2755 | 2147 | 0 |
| Sep-89 | 2244 | 4319 | 2244 | 2128 | 0 |
| Oct-89 | 3056 | 5885 | 3056 | 2365 | 0 |
| Nov-89 | 1975 | 3798 | 1975 | 1975 | 0 |
| Dec-89 | 1415 | 2721 | 1415 | 1415 | 0 |

| Month | Hoboken | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 1887 | 3633 | 1887 | 712 | 0 |
| Feb-88 | 1924 | 3701 | 1924 | 664 | 0 |
| Mar-88 | 1039 | 2000 | 1039 | 629 | 0 |
| Apr-88 | 1305 | 2507 | 1305 | 624 | 0 |
| May-88 | 1868 | 3600 | 1868 | 648 | 0 |
| Jun-88 | 2138 | 4109 | 2138 | 646 | 0 |
| Jul-88 | 1691 | 3256 | 1691 | 683 | 0 |
| Aug-88 | 1467 | 2825 | 1467 | 594 | 0 |
| Sep-88 | 1815 | 3497 | 1815 | 587 | 0 |
| Oct-88 | 1614 | 3106 | 1614 | 653 | 0 |
| Nov-88 | 1430 | 2749 | 1430 | 647 | 0 |
| Dec-88 | 1989 | 3832 | 1989 | 683 | 0 |
| Jan-89 | 1890 | 3638 | 1890 | 713 | 0 |
| Feb-89 | 1924 | 3701 | 1924 | 664 | 0 |
| Mar-89 | 1039 | 2000 | 1039 | 629 | 0 |
| Apr-89 | 1305 | 2507 | 1305 | 624 | 0 |
| May-89 | 1868 | 3600 | 1868 | 648 | 0 |
| Jun-89 | 2138 | 4109 | 2138 | 646 | 0 |
| Jul-89 | 1691 | 3256 | 1691 | 683 | 0 |
| Aug-89 | 1467 | 2825 | 1467 | 594 | 0 |
| Sep-89 | 1815 | 3497 | 1815 | 587 | 0 |
| Oct-89 | 1614 | 3106 | 1614 | 653 | 0 |
| Nov-89 | 1430 | 2749 | 1430 | 647 | 0 |
| Dec-89 | 1989 | 3832 | 1989 | 683 | 0 |

| Month | West New York Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 1080 | 1203 | 1080 | 1080 | 0 |
| Feb-88 | 1043 | 1161 | 1043 | 1043 | 0 |
| Mar-88 | 937 | 1042 | 937 | 937 | 0 |
| Apr-88 | 938 | 1042 | 938 | 938 | 0 |
| May-88 | 956 | 1063 | 956 | 956 | 0 |
| Jun-88 | 1165 | 1298 | 1165 | 1165 | 0 |
| Jul-88 | 1317 | 1462 | 1317 | 1317 | 0 |
| Aug-88 | 898 | 996 | 898 | 898 | 0 |
| Sep-88 | 700 | 781 | 700 | 700 | 0 |
| Oct-88 | 1140 | 1269 | 1140 | 1140 | 0 |
| Nov-88 | 1199 | 1333 | 1199 | 1199 | 0 |
| Dec-88 | 1241 | 1382 | 1241 | 1241 | 0 |
| Jan-89 | 1081 | 1205 | 1081 | 1081 | 0 |
| Feb-89 | 1043 | 1161 | 1043 | 1043 | 0 |
| Mar-89 | 937 | 1042 | 937 | 937 | 0 |
| Apr-89 | 938 | 1042 | 938 | 938 | 0 |
| May-89 | 956 | 1063 | 956 | 956 | 0 |
| Jun-89 | 1165 | 1298 | 1165 | 1165 | 0 |
| Jul-89 | 1317 | 1462 | 1317 | 1317 | 0 |
| Aug-89 | 898 | 996 | 898 | 898 | 0 |
| Sep-89 | 700 | 781 | 700 | 700 | 0 |
| Oct-89 | 1140 | 1269 | 1140 | 1140 | 0 |
| Nov-89 | 1199 | 1333 | 1199 | 1199 | 0 |
| Dec-89 | 1241 | 1382 | 1241 | 1241 | 0 |

| Month | West New York Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2374 | 2640 | 2374 | 695 | 0 |
| Feb-88 | 3038 | 3376 | 3038 | 690 | 0 |
| Mar-88 | 2604 | 2897 | 2604 | 630 | 0 |
| Apr-88 | 4334 | 4819 | 4334 | 609 | 0 |
| May-88 | 2582 | 2870 | 2582 | 603 | 0 |
| Jun-88 | 2158 | 2401 | 2158 | 597 | 0 |
| Jul-88 | 2453 | 2727 | 2453 | 555 | 0 |
| Aug-88 | 1379 | 1531 | 1379 | 456 | 0 |
| Sep-88 | 1355 | 1510 | 1355 | 443 | 0 |
| Oct-88 | 3099 | 3451 | 3099 | 623 | 0 |
| Nov-88 | 2726 | 3029 | 2726 | 650 | 0 |
| Dec-88 | 2130 | 2371 | 2130 | 677 | 0 |
| Jan-89 | 2377 | 2643 | 2377 | 696 | 0 |
| Feb-89 | 3038 | 3376 | 3038 | 690 | 0 |
| Mar-89 | 2604 | 2897 | 2604 | 630 | 0 |
| Apr-89 | 4334 | 4819 | 4334 | 609 | 0 |
| May-89 | 2582 | 2870 | 2582 | 603 | 0 |
| Jun-89 | 2158 | 2401 | 2158 | 597 | 0 |
| Jul-89 | 2453 | 2727 | 2453 | 555 | 0 |
| Aug-89 | 1379 | 1531 | 1379 | 456 | 0 |
| Sep-89 | 1355 | 1510 | 1355 | 443 | 0 |
| Oct-89 | 3099 | 3451 | 3099 | 623 | 0 |
| Nov-89 | 2726 | 3029 | 2726 | 650 | 0 |
| Dec-89 | 2130 | 2371 | 2130 | 677 | 0 |

| Month | Passaic Valley Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 59057 | 74605 | 59652 | 47212 | 0 |
| Feb-88 | 78886 | 99561 | 79763 | 45962 | 0 |
| Mar-88 | 78820 | 99614 | 79380 | 46253 | 0 |
| Apr-88 | 63295 | 79891 | 63846 | 42126 | 0 |
| May-88 | 65160 | 82175 | 65724 | 44714 | 0 |
| Jun-88 | 53013 | 66827 | 53590 | 44216 | 0 |
| Jul-88 | 54146 | 68603 | 55157 | 45812 | 0 |
| Aug-88 | 65491 | 82545 | 66068 | 43797 | 0 |
| Sep-88 | 57257 | 72511 | 58269 | 41804 | 0 |
| Oct-88 | 70341 | 88983 | 70892 | 42770 | 0 |
| Nov-88 | 64640 | 81492 | 65182 | 44092 | 0 |
| Dec-88 | 58952 | 74516 | 59533 | 46416 | 0 |
| Jan-89 | 59137 | 74706 | 59732 | 47276 | 0 |
| Feb-89 | 78886 | 99561 | 79763 | 45962 | 0 |
| Mar-89 | 78820 | 99614 | 79380 | 46253 | 0 |
| Apr-89 | 63295 | 79891 | 63846 | 42126 | 0 |
| May-89 | 65160 | 82175 | 65724 | 44714 | 0 |
| Jun-89 | 53013 | 66827 | 53590 | 44216 | 0 |
| Jul-89 | 54146 | 68603 | 55157 | 45812 | 0 |
| Aug-89 | 65491 | 82545 | 66068 | 43797 | 0 |
| Sep-89 | 57257 | 72511 | 58269 | 41804 | 0 |
| Oct-89 | 70341 | 88983 | 70892 | 42770 | 0 |
| Nov-89 | 64640 | 81492 | 65182 | 44092 | 0 |
| Dec-89 | 58952 | 74516 | 59533 | 46416 | 0 |

| Month | Passaic Valley Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 94671 | 119726 | 97181 | 16125 | 0 |
| Feb-88 | 96386 | 122004 | 99869 | 15684 | 0 |
| Mar-88 | 106042 | 133997 | 108688 | 15750 | 0 |
| Apr-88 | 116713 | 147666 | 119270 | 14352 | 0 |
| May-88 | 93961 | 118829 | 96562 | 15256 | 0 |
| Jun-88 | 84393 | 106660 | 86774 | 15049 | 0 |
| Jul-88 | 78617 | 99340 | 80072 | 15604 | 0 |
| Aug-88 | 92153 | 116492 | 94534 | 14921 | 0 |
| Sep-88 | 71871 | 90830 | 73546 | 14242 | 0 |
| Oct-88 | 77426 | 97841 | 80072 | 14573 | 0 |
| Nov-88 | 88273 | 111554 | 90654 | 15031 | 0 |
| Dec-88 | 88317 | 111642 | 90610 | 15825 | 0 |
| Jan-89 | 94799 | 119887 | 97312 | 16147 | 0 |
| Feb-89 | 96386 | 122004 | 99869 | 15684 | 0 |
| Mar-89 | 106042 | 133997 | 108688 | 15750 | 0 |
| Apr-89 | 116713 | 147666 | 119270 | 14352 | 0 |
| May-89 | 93961 | 118829 | 96562 | 15256 | 0 |
| Jun-89 | 84393 | 106660 | 86774 | 15049 | 0 |
| Jul-89 | 78617 | 99340 | 80072 | 15604 | 0 |
| Aug-89 | 92153 | 116492 | 94534 | 14921 | 0 |
| Sep-89 | 71871 | 90830 | 73546 | 14242 | 0 |
| Oct-89 | 77426 | 97841 | 80072 | 14573 | 0 |
| Nov-89 | 88273 | 111554 | 90654 | 15031 | 0 |
| Dec-89 | 88317 | 111642 | 90610 | 15825 | 0 |

| Month | Edgewater Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 592 | 1200 | 592 | 592 | 0 |
| Feb-88 | 472 | 956 | 472 | 472 | 0 |
| Mar-88 | 385 | 782 | 385 | 385 | 0 |
| Apr-88 | 412 | 837 | 412 | 412 | 0 |
| May-88 | 364 | 739 | 364 | 364 | 0 |
| Jun-88 | 339 | 690 | 339 | 339 | 0 |
| Jul-88 | 335 | 679 | 335 | 335 | 0 |
| Aug-88 | 266 | 540 | 266 | 266 | 0 |
| Sep-88 | 282 | 571 | 282 | 282 | 0 |
| Oct-88 | 520 | 1054 | 520 | 484 | 0 |
| Nov-88 | 289 | 587 | 289 | 289 | 0 |
| Dec-88 | 411 | 836 | 411 | 411 | 0 |
| Jan-89 | 593 | 1201 | 593 | 593 | 0 |
| Feb-89 | 472 | 956 | 472 | 472 | 0 |
| Mar-89 | 385 | 782 | 385 | 385 | 0 |
| Apr-89 | 412 | 837 | 412 | 412 | 0 |
| May-89 | 364 | 739 | 364 | 364 | 0 |
| Jun-89 | 339 | 690 | 339 | 339 | 0 |
| Jul-89 | 335 | 679 | 335 | 335 | 0 |
| Aug-89 | 266 | 540 | 266 | 266 | 0 |
| Sep-89 | 282 | 571 | 282 | 282 | 0 |
| Oct-89 | 520 | 1054 | 520 | 484 | 0 |
| Nov-89 | 289 | 587 | 289 | 289 | 0 |
| Dec-89 | 411 | 836 | 411 | 411 | 0 |

| Month | Edgewater | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 694 | 1406 | 694 | 256 | 0 |
| Feb-88 | 581 | 1179 | 581 | 216 | 0 |
| Mar-88 | 625 | 1269 | 625 | 202 | 0 |
| Apr-88 | 567 | 1150 | 567 | 182 | 0 |
| May-88 | 586 | 1189 | 586 | 182 | 0 |
| Jun-88 | 413 | 837 | 413 | 176 | 0 |
| Jul-88 | 459 | 930 | 459 | 176 | 0 |
| Aug-88 | 463 | 938 | 463 | 162 | 0 |
| Sep-88 | 484 | 981 | 484 | 176 | 0 |
| Oct-88 | 466 | 946 | 466 | 196 | 0 |
| Nov-88 | 668 | 1354 | 668 | 230 | 0 |
| Dec-88 | 786 | 1594 | 786 | 243 | 0 |
| Jan-89 | 694 | 1408 | 694 | 257 | 0 |
| Feb-89 | 581 | 1179 | 581 | 216 | 0 |
| Mar-89 | 625 | 1269 | 625 | 202 | 0 |
| Apr-89 | 567 | 1150 | 567 | 182 | 0 |
| May-89 | 586 | 1189 | 586 | 182 | 0 |
| Jun-89 | 413 | 837 | 413 | 176 | 0 |
| Jul-89 | 459 | 930 | 459 | 176 | 0 |
| Aug-89 | 463 | 938 | 463 | 162 | 0 |
| Sep-89 | 484 | 981 | 484 | 176 | 0 |
| Oct-89 | 466 | 946 | 466 | 196 | 0 |
| Nov-89 | 668 | 1354 | 668 | 230 | 0 |
| Dec-89 | 786 | 1594 | 786 | 243 | 0 |

| Month | Red Hook Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 5857 | 5857 | 1908 | 1908 | 0 |
| Feb-88 | 5481 | 5481 | 1910 | 1910 | 0 |
| Mar-88 | 5639 | 5639 | 1910 | 1910 | 0 |
| Apr-88 | 5841 | 5841 | 1910 | 1910 | 0 |
| May-88 | 7513 | 7513 | 1910 | 1910 | 0 |
| Jun-88 | 5858 | 5858 | 1910 | 1910 | 0 |
| Jul-88 | 5728 | 5728 | 1910 | 1910 | 0 |
| Aug-88 | 5103 | 5103 | 1910 | 1910 | 0 |
| Sep-88 | 5188 | 5188 | 1910 | 1910 | 0 |
| Oct-88 | 5928 | 5928 | 1910 | 1910 | 0 |
| Nov-88 | 4985 | 4985 | 1910 | 1910 | 0 |
| Dec-88 | 5991 | 5991 | 1910 | 1910 | 0 |
| Jan-89 | 5865 | 5865 | 1910 | 1910 | 0 |
| Feb-89 | 5481 | 5481 | 1910 | 1910 | 0 |
| Mar-89 | 5639 | 5639 | 1910 | 1910 | 0 |
| Apr-89 | 5841 | 5841 | 1910 | 1910 | 0 |
| May-89 | 7513 | 7513 | 1910 | 1910 | 0 |
| Jun-89 | 5858 | 5858 | 1910 | 1910 | 0 |
| Jul-89 | 5728 | 5728 | 1910 | 1910 | 0 |
| Aug-89 | 5103 | 5103 | 1910 | 1910 | 0 |
| Sep-89 | 5188 | 5188 | 1910 | 1910 | 0 |
| Oct-89 | 5928 | 5928 | 1910 | 1910 | 0 |
| Nov-89 | 4985 | 4985 | 1910 | 1910 | 0 |
| Dec-89 | 5991 | 5991 | 1910 | 1910 | 0 |

| Month | Red Hook | | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|--|
| | Total Organic Carbon Load (lb/d) | | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | |
| Jan-88 | 6675 | 6675 | 6011 | 6011 | 0 | |
| Feb-88 | 5895 | 5895 | 5304 | 5304 | 0 | |
| Mar-88 | 1967 | 1967 | 1768 | 1768 | 0 | |
| Apr-88 | 3423 | 3423 | 3079 | 3079 | 0 | |
| May-88 | 5238 | 5238 | 4713 | 4713 | 0 | |
| Jun-88 | 3212 | 3212 | 2893 | 2893 | 0 | |
| Jul-88 | 5644 | 5644 | 5084 | 5084 | 0 | |
| Aug-88 | 6737 | 6737 | 6067 | 6067 | 0 | |
| Sep-88 | 4625 | 4625 | 4164 | 4164 | 0 | |
| Oct-88 | 3580 | 3580 | 3226 | 3226 | 0 | |
| Nov-88 | 5944 | 5944 | 5353 | 5353 | 0 | |
| Dec-88 | 7923 | 7923 | 7130 | 7130 | 0 | |
| Jan-89 | 6684 | 6684 | 6019 | 6019 | 0 | |
| Feb-89 | 5895 | 5895 | 5304 | 5304 | 0 | |
| Mar-89 | 1967 | 1967 | 1768 | 1768 | 0 | |
| Apr-89 | 3423 | 3423 | 3079 | 3079 | 0 | |
| May-89 | 5238 | 5238 | 4713 | 4713 | 0 | |
| Jun-89 | 3212 | 3212 | 2893 | 2893 | 0 | |
| Jul-89 | 5644 | 5644 | 5084 | 5084 | 0 | |
| Aug-89 | 6737 | 6737 | 6067 | 6067 | 0 | |
| Sep-89 | 4625 | 4625 | 4164 | 4164 | 0 | |
| Oct-89 | 3580 | 3580 | 3226 | 3226 | 0 | |
| Nov-89 | 5944 | 5944 | 5353 | 5353 | 0 | |
| Dec-89 | 7923 | 7923 | 7130 | 7130 | 0 | |

| Month | Newtown Creek Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|---------------------------------|-------------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 30013 | 30013 | 18779 | 18779 | 0 |
| Feb-88 | 33435 | 33435 | 18805 | 18805 | 0 |
| Mar-88 | 39423 | 39423 | 18805 | 18805 | 0 |
| Apr-88 | 34031 | 34031 | 18805 | 18805 | 0 |
| May-88 | 38175 | 38175 | 18805 | 18805 | 0 |
| Jun-88 | 39256 | 39256 | 18805 | 18805 | 0 |
| Jul-88 | 52545 | 52545 | 18805 | 18805 | 0 |
| Aug-88 | 44771 | 44771 | 18805 | 18805 | 0 |
| Sep-88 | 44031 | 44031 | 18805 | 18805 | 0 |
| Oct-88 | 34877 | 34877 | 18805 | 18805 | 0 |
| Nov-88 | 32549 | 32549 | 18805 | 18805 | 0 |
| Dec-88 | 35520 | 35520 | 18805 | 18805 | 0 |
| Jan-89 | 30053 | 30053 | 18805 | 18805 | 0 |
| Feb-89 | 33435 | 33435 | 18804 | 18804 | 0 |
| Mar-89 | 39423 | 39423 | 18805 | 18805 | 0 |
| Apr-89 | 34031 | 34031 | 18805 | 18805 | 0 |
| May-89 | 38175 | 38175 | 18805 | 18805 | 0 |
| Jun-89 | 39256 | 39256 | 18805 | 18805 | 0 |
| Jul-89 | 52545 | 52545 | 18805 | 18805 | 0 |
| Aug-89 | 44771 | 44771 | 18805 | 18805 | 0 |
| Sep-89 | 44031 | 44031 | 18805 | 18805 | 0 |
| Oct-89 | 34877 | 34877 | 18805 | 18805 | 0 |
| Nov-89 | 32549 | 32549 | 18805 | 18805 | 0 |
| Dec-89 | 35520 | 35520 | 18805 | 18805 | 0 |

| Month | Newtown Creek Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 47204 | 47204 | 42474 | 42474 | 0 |
| Feb-88 | 48634 | 48634 | 43740 | 43740 | 0 |
| Mar-88 | 48810 | 48810 | 43951 | 43951 | 0 |
| Apr-88 | 50133 | 50133 | 45151 | 45151 | 0 |
| May-88 | 52117 | 52117 | 46914 | 46914 | 0 |
| Jun-88 | 55424 | 55424 | 49824 | 49824 | 0 |
| Jul-88 | 57012 | 57012 | 51280 | 51280 | 0 |
| Aug-88 | 58334 | 58334 | 52470 | 52470 | 0 |
| Sep-88 | 54498 | 54498 | 48987 | 48987 | 0 |
| Oct-88 | 51853 | 51853 | 46694 | 46694 | 0 |
| Nov-88 | 50001 | 50001 | 44930 | 44930 | 0 |
| Dec-88 | 49339 | 49339 | 44445 | 44445 | 0 |
| Jan-89 | 47267 | 47267 | 42532 | 42532 | 0 |
| Feb-89 | 48634 | 48634 | 43740 | 43740 | 0 |
| Mar-89 | 48810 | 48810 | 43951 | 43951 | 0 |
| Apr-89 | 50133 | 50133 | 45151 | 45151 | 0 |
| May-89 | 52117 | 52117 | 46914 | 46914 | 0 |
| Jun-89 | 55424 | 55424 | 49824 | 49824 | 0 |
| Jul-89 | 57012 | 57012 | 51280 | 51280 | 0 |
| Aug-89 | 58334 | 58334 | 52470 | 52470 | 0 |
| Sep-89 | 54498 | 54498 | 48987 | 48987 | 0 |
| Oct-89 | 51853 | 51853 | 46694 | 46694 | 0 |
| Nov-89 | 50001 | 50001 | 44930 | 44930 | 0 |
| Dec-89 | 49339 | 49339 | 44445 | 44445 | 0 |

| Month | Wards Island Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 45447 | 45447 | 17872 | 17872 | 0 |
| Feb-88 | 41596 | 41596 | 17896 | 17896 | 0 |
| Mar-88 | 36380 | 36380 | 17896 | 17896 | 0 |
| Apr-88 | 37022 | 37022 | 17896 | 17896 | 0 |
| May-88 | 34058 | 34058 | 17896 | 17896 | 0 |
| Jun-88 | 31676 | 31676 | 17896 | 17896 | 0 |
| Jul-88 | 35424 | 35424 | 17896 | 17896 | 0 |
| Aug-88 | 35496 | 35496 | 17896 | 17896 | 0 |
| Sep-88 | 38810 | 38810 | 17896 | 17896 | 0 |
| Oct-88 | 43744 | 43744 | 17896 | 17896 | 0 |
| Nov-88 | 51050 | 51050 | 17896 | 17896 | 0 |
| Dec-88 | 38042 | 38042 | 17896 | 17896 | 0 |
| Jan-89 | 45508 | 45508 | 17896 | 17896 | 0 |
| Feb-89 | 41596 | 41596 | 17896 | 17896 | 0 |
| Mar-89 | 36380 | 36380 | 17896 | 17896 | 0 |
| Apr-89 | 37022 | 37022 | 17896 | 17896 | 0 |
| May-89 | 34058 | 34058 | 17896 | 17896 | 0 |
| Jun-89 | 31676 | 31676 | 17896 | 17896 | 0 |
| Jul-89 | 35424 | 35424 | 17896 | 17896 | 0 |
| Aug-89 | 35496 | 35496 | 17896 | 17896 | 0 |
| Sep-89 | 38810 | 38810 | 17896 | 17896 | 0 |
| Oct-89 | 43744 | 43744 | 17896 | 17896 | 0 |
| Nov-89 | 51050 | 51050 | 17896 | 17896 | 0 |
| Dec-89 | 38042 | 38042 | 17896 | 17896 | 0 |

| Month | Wards Island Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 29903 | 29903 | 26909 | 26909 | 0 |
| Feb-88 | 32606 | 32606 | 29366 | 29366 | 0 |
| Mar-88 | 28444 | 28444 | 25635 | 25635 | 0 |
| Apr-88 | 22377 | 22377 | 20137 | 20137 | 0 |
| May-88 | 29511 | 29511 | 26517 | 26517 | 0 |
| Jun-88 | 26019 | 26019 | 23418 | 23418 | 0 |
| Jul-88 | 31782 | 31782 | 28590 | 28590 | 0 |
| Aug-88 | 19608 | 19608 | 17637 | 17637 | 0 |
| Sep-88 | 21601 | 21601 | 19458 | 19458 | 0 |
| Oct-88 | 25591 | 25591 | 23056 | 23056 | 0 |
| Nov-88 | 26508 | 26508 | 23885 | 23885 | 0 |
| Dec-88 | 24912 | 24912 | 22408 | 22408 | 0 |
| Jan-89 | 29943 | 29943 | 26945 | 26945 | 0 |
| Feb-89 | 32606 | 32606 | 29366 | 29366 | 0 |
| Mar-89 | 28444 | 28444 | 25635 | 25635 | 0 |
| Apr-89 | 22377 | 22377 | 20137 | 20137 | 0 |
| May-89 | 29511 | 29511 | 26517 | 26517 | 0 |
| Jun-89 | 26019 | 26019 | 23418 | 23418 | 0 |
| Jul-89 | 31782 | 31782 | 28590 | 28590 | 0 |
| Aug-89 | 19608 | 19608 | 17637 | 17637 | 0 |
| Sep-89 | 21601 | 21601 | 19458 | 19458 | 0 |
| Oct-89 | 25591 | 25591 | 23056 | 23056 | 0 |
| Nov-89 | 26508 | 26508 | 23885 | 23885 | 0 |
| Dec-89 | 24912 | 24912 | 22408 | 22408 | 0 |

| Month | Bowery Bay Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 19811 | 19811 | 7160 | 7160 | 0 |
| Feb-88 | 19709 | 19709 | 7169 | 7169 | 0 |
| Mar-88 | 19983 | 19983 | 7169 | 7169 | 0 |
| Apr-88 | 19780 | 19780 | 7169 | 7169 | 0 |
| May-88 | 19290 | 19290 | 7169 | 7169 | 0 |
| Jun-88 | 19855 | 19855 | 7169 | 7169 | 0 |
| Jul-88 | 20247 | 20247 | 7169 | 7169 | 0 |
| Aug-88 | 16605 | 16605 | 7169 | 7169 | 0 |
| Sep-88 | 18334 | 18334 | 7169 | 7169 | 0 |
| Oct-88 | 15635 | 15635 | 7169 | 7169 | 0 |
| Nov-88 | 15701 | 15701 | 7169 | 7169 | 0 |
| Dec-88 | 17549 | 17549 | 7169 | 7169 | 0 |
| Jan-89 | 19837 | 19837 | 7169 | 7169 | 0 |
| Feb-89 | 19709 | 19709 | 7169 | 7169 | 0 |
| Mar-89 | 19983 | 19983 | 7169 | 7169 | 0 |
| Apr-89 | 19780 | 19780 | 7169 | 7169 | 0 |
| May-89 | 19290 | 19290 | 7169 | 7169 | 0 |
| Jun-89 | 19855 | 19855 | 7169 | 7169 | 0 |
| Jul-89 | 20247 | 20247 | 7169 | 7169 | 0 |
| Aug-89 | 16605 | 16605 | 7169 | 7169 | 0 |
| Sep-89 | 18334 | 18334 | 7169 | 7169 | 0 |
| Oct-89 | 15635 | 15635 | 7169 | 7169 | 0 |
| Nov-89 | 15701 | 15701 | 7169 | 7169 | 0 |
| Dec-89 | 17549 | 17549 | 7169 | 7169 | 0 |

| Month | Bowery Bay Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 12461 | 12461 | 11220 | 11220 |
| Feb-88 | 17637 | 17637 | 15864 | 15864 | 0 |
| Mar-88 | 15102 | 15102 | 13576 | 13576 | 0 |
| Apr-88 | 12990 | 12990 | 11693 | 11693 | 0 |
| May-88 | 8589 | 8589 | 7729 | 7729 | 0 |
| Jun-88 | 11535 | 11535 | 10384 | 10384 | 0 |
| Jul-88 | 9502 | 9502 | 8550 | 8550 | 0 |
| Aug-88 | 6460 | 6460 | 5811 | 5811 | 0 |
| Sep-88 | 6623 | 6623 | 5957 | 5957 | 0 |
| Oct-88 | 7751 | 7751 | 6975 | 6975 | 0 |
| Nov-88 | 9118 | 9118 | 8210 | 8210 | 0 |
| Dec-88 | 9118 | 9118 | 8210 | 8210 | 0 |
| Jan-89 | 12478 | 12478 | 11235 | 11235 | 0 |
| Feb-89 | 17637 | 17637 | 15864 | 15864 | 0 |
| Mar-89 | 15102 | 15102 | 13576 | 13576 | 0 |
| Apr-89 | 12990 | 12990 | 11693 | 11693 | 0 |
| May-89 | 8589 | 8589 | 7729 | 7729 | 0 |
| Jun-89 | 11535 | 11535 | 10384 | 10384 | 0 |
| Jul-89 | 9502 | 9502 | 8550 | 8550 | 0 |
| Aug-89 | 6460 | 6460 | 5811 | 5811 | 0 |
| Sep-89 | 6623 | 6623 | 5957 | 5957 | 0 |
| Oct-89 | 7751 | 7751 | 6975 | 6975 | 0 |
| Nov-89 | 9118 | 9118 | 8210 | 8210 | 0 |
| Dec-89 | 9118 | 9118 | 8210 | 8210 | 0 |

| Month | Hunts Point Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 28205 | 28205 | 11863 | 11863 | 0 |
| Feb-88 | 25367 | 25367 | 11879 | 11879 | 0 |
| Mar-88 | 25944 | 25944 | 11879 | 11879 | 0 |
| Apr-88 | 25363 | 25363 | 11879 | 11879 | 0 |
| May-88 | 27999 | 27999 | 11879 | 11879 | 0 |
| Jun-88 | 29374 | 29374 | 11879 | 11879 | 0 |
| Jul-88 | 25861 | 25861 | 11879 | 11879 | 0 |
| Aug-88 | 24558 | 24558 | 11879 | 11879 | 0 |
| Sep-88 | 24796 | 24796 | 11879 | 11879 | 0 |
| Oct-88 | 27906 | 27906 | 11879 | 11879 | 0 |
| Nov-88 | 33422 | 33422 | 11879 | 11879 | 0 |
| Dec-88 | 29032 | 29032 | 11879 | 11879 | 0 |
| Jan-89 | 28243 | 28243 | 11879 | 11879 | 0 |
| Feb-89 | 25367 | 25367 | 11879 | 11879 | 0 |
| Mar-89 | 25944 | 25944 | 11879 | 11879 | 0 |
| Apr-89 | 25363 | 25363 | 11879 | 11879 | 0 |
| May-89 | 27999 | 27999 | 11879 | 11879 | 0 |
| Jun-89 | 29374 | 29374 | 11879 | 11879 | 0 |
| Jul-89 | 25861 | 25861 | 11879 | 11879 | 0 |
| Aug-89 | 24558 | 24558 | 11879 | 11879 | 0 |
| Sep-89 | 24796 | 24796 | 11879 | 11879 | 0 |
| Oct-89 | 27906 | 27906 | 11879 | 11879 | 0 |
| Nov-89 | 33422 | 33422 | 11879 | 11879 | 0 |
| Dec-89 | 29032 | 29032 | 11879 | 11879 | 0 |

| Month | Hunts Point Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 14778 | 14778 | 13298 | 13298 |
| Feb-88 | 18197 | 18197 | 16363 | 16363 | 0 |
| Mar-88 | 15560 | 15560 | 14030 | 14030 | 0 |
| Apr-88 | 13982 | 13982 | 12593 | 12593 | 0 |
| May-88 | 15062 | 15062 | 13563 | 13563 | 0 |
| Jun-88 | 14330 | 14330 | 12928 | 12928 | 0 |
| Jul-88 | 16045 | 16045 | 14440 | 14440 | 0 |
| Aug-88 | 10300 | 10300 | 9273 | 9273 | 0 |
| Sep-88 | 11759 | 11759 | 10587 | 10587 | 0 |
| Oct-88 | 11843 | 11843 | 10662 | 10662 | 0 |
| Nov-88 | 13616 | 13616 | 12253 | 12253 | 0 |
| Dec-88 | 16557 | 16557 | 14916 | 14916 | 0 |
| Jan-89 | 14797 | 14797 | 13316 | 13316 | 0 |
| Feb-89 | 18197 | 18197 | 16363 | 16363 | 0 |
| Mar-89 | 15560 | 15560 | 14030 | 14030 | 0 |
| Apr-89 | 13982 | 13982 | 12593 | 12593 | 0 |
| May-89 | 15062 | 15062 | 13563 | 13563 | 0 |
| Jun-89 | 14330 | 14330 | 12928 | 12928 | 0 |
| Jul-89 | 16045 | 16045 | 14440 | 14440 | 0 |
| Aug-89 | 10300 | 10300 | 9273 | 9273 | 0 |
| Sep-89 | 11759 | 11759 | 10587 | 10587 | 0 |
| Oct-89 | 11843 | 11843 | 10662 | 10662 | 0 |
| Nov-89 | 13616 | 13616 | 12253 | 12253 | 0 |
| Dec-89 | 16557 | 16557 | 14916 | 14916 | 0 |

| Month | Tallman Island Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 5781 | 5781 | 2842 | 2842 | 0 |
| Feb-88 | 6319 | 6319 | 2846 | 2846 | 0 |
| Mar-88 | 7131 | 7131 | 2846 | 2846 | 0 |
| Apr-88 | 7944 | 7944 | 2846 | 2846 | 0 |
| May-88 | 9048 | 9048 | 2846 | 2846 | 0 |
| Jun-88 | 9155 | 9155 | 2846 | 2846 | 0 |
| Jul-88 | 8294 | 8294 | 2846 | 2846 | 0 |
| Aug-88 | 8818 | 8818 | 2846 | 2846 | 0 |
| Sep-88 | 10182 | 10182 | 2846 | 2846 | 0 |
| Oct-88 | 5352 | 5352 | 2846 | 2846 | 0 |
| Nov-88 | 4784 | 4784 | 2846 | 2846 | 0 |
| Dec-88 | 5368 | 5368 | 2846 | 2846 | 0 |
| Jan-89 | 5789 | 5789 | 2846 | 2846 | 0 |
| Feb-89 | 6319 | 6319 | 2846 | 2846 | 0 |
| Mar-89 | 7131 | 7131 | 2846 | 2846 | 0 |
| Apr-89 | 7944 | 7944 | 2846 | 2846 | 0 |
| May-89 | 9048 | 9048 | 2846 | 2846 | 0 |
| Jun-89 | 9155 | 9155 | 2846 | 2846 | 0 |
| Jul-89 | 8294 | 8294 | 2846 | 2846 | 0 |
| Aug-89 | 8818 | 8818 | 2846 | 2846 | 0 |
| Sep-89 | 10182 | 10182 | 2846 | 2846 | 0 |
| Oct-89 | 5352 | 5352 | 2846 | 2846 | 0 |
| Nov-89 | 4784 | 4784 | 2846 | 2846 | 0 |
| Dec-89 | 5368 | 5368 | 2846 | 2846 | 0 |

| Month | Tallman Island Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 3775 | 3775 | 3400 | 3400 | 0 |
| Feb-88 | 8311 | 8311 | 7482 | 7482 | 0 |
| Mar-88 | 7271 | 7271 | 6539 | 6539 | 0 |
| Apr-88 | 6680 | 6680 | 6014 | 6014 | 0 |
| May-88 | 8466 | 8466 | 7619 | 7619 | 0 |
| Jun-88 | 4781 | 4781 | 4300 | 4300 | 0 |
| Jul-88 | 6936 | 6936 | 6248 | 6248 | 0 |
| Aug-88 | 4342 | 4342 | 3904 | 3904 | 0 |
| Sep-88 | 9855 | 9855 | 8871 | 8871 | 0 |
| Oct-88 | 3073 | 3073 | 2765 | 2765 | 0 |
| Nov-88 | 2309 | 2309 | 2078 | 2078 | 0 |
| Dec-88 | 3131 | 3131 | 2814 | 2814 | 0 |
| Jan-89 | 3780 | 3780 | 3404 | 3404 | 0 |
| Feb-89 | 8311 | 8311 | 7482 | 7482 | 0 |
| Mar-89 | 7271 | 7271 | 6539 | 6539 | 0 |
| Apr-89 | 6680 | 6680 | 6014 | 6014 | 0 |
| May-89 | 8466 | 8466 | 7619 | 7619 | 0 |
| Jun-89 | 4781 | 4781 | 4300 | 4300 | 0 |
| Jul-89 | 6936 | 6936 | 6248 | 6248 | 0 |
| Aug-89 | 4342 | 4342 | 3904 | 3904 | 0 |
| Sep-89 | 9855 | 9855 | 8871 | 8871 | 0 |
| Oct-89 | 3073 | 3073 | 2765 | 2765 | 0 |
| Nov-89 | 2309 | 2309 | 2078 | 2078 | 0 |
| Dec-89 | 3131 | 3131 | 2814 | 2814 | 0 |

| Month | 26th Ward Total Nitrogen Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 15573 | 15573 | 5697 | 5697 | 0 |
| Feb-88 | 16022 | 16022 | 5705 | 5705 | 0 |
| Mar-88 | 14363 | 14363 | 5705 | 5705 | 0 |
| Apr-88 | 15409 | 15409 | 5705 | 5705 | 0 |
| May-88 | 16060 | 16060 | 5705 | 5705 | 0 |
| Jun-88 | 15638 | 15638 | 5705 | 5705 | 0 |
| Jul-88 | 13423 | 13423 | 5705 | 5705 | 0 |
| Aug-88 | 10969 | 10969 | 5700 | 5700 | 0 |
| Sep-88 | 10111 | 10111 | 5701 | 5701 | 0 |
| Oct-88 | 16356 | 16356 | 5702 | 5702 | 0 |
| Nov-88 | 11177 | 11177 | 5701 | 5701 | 0 |
| Dec-88 | 14410 | 14410 | 5705 | 5705 | 0 |
| Jan-89 | 15594 | 15594 | 5705 | 5705 | 0 |
| Feb-89 | 16022 | 16022 | 5705 | 5705 | 0 |
| Mar-89 | 14363 | 14363 | 5705 | 5705 | 0 |
| Apr-89 | 15409 | 15409 | 5705 | 5705 | 0 |
| May-89 | 16060 | 16060 | 5705 | 5705 | 0 |
| Jun-89 | 15638 | 15638 | 5705 | 5705 | 0 |
| Jul-89 | 13423 | 13423 | 5705 | 5705 | 0 |
| Aug-89 | 10969 | 10969 | 5700 | 5700 | 0 |
| Sep-89 | 10111 | 10111 | 5701 | 5701 | 0 |
| Oct-89 | 16356 | 16356 | 5702 | 5702 | 0 |
| Nov-89 | 11177 | 11177 | 5701 | 5701 | 0 |
| Dec-89 | 14410 | 14410 | 5705 | 5705 | 0 |

| Month | 26th Ward Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 14011 | 14011 | 8987 | 8987 |
| Feb-88 | 12606 | 12606 | 8999 | 8999 | 0 |
| Mar-88 | 11574 | 11574 | 8999 | 8999 | 0 |
| Apr-88 | 11583 | 11583 | 8995 | 8995 | 0 |
| May-88 | 13647 | 13647 | 8995 | 8995 | 0 |
| Jun-88 | 12095 | 12095 | 9004 | 9004 | 0 |
| Jul-88 | 11632 | 11632 | 9004 | 9004 | 0 |
| Aug-88 | 11252 | 11252 | 9004 | 9004 | 0 |
| Sep-88 | 12081 | 12081 | 8999 | 8999 | 0 |
| Oct-88 | 13307 | 13307 | 8999 | 8999 | 0 |
| Nov-88 | 13938 | 13938 | 8999 | 8999 | 0 |
| Dec-88 | 15573 | 15573 | 9004 | 9004 | 0 |
| Jan-89 | 14030 | 14030 | 8999 | 8999 | 0 |
| Feb-89 | 12606 | 12606 | 8999 | 8999 | 0 |
| Mar-89 | 11574 | 11574 | 8999 | 8999 | 0 |
| Apr-89 | 11583 | 11583 | 8995 | 8995 | 0 |
| May-89 | 13647 | 13647 | 8995 | 8995 | 0 |
| Jun-89 | 12095 | 12095 | 9004 | 9004 | 0 |
| Jul-89 | 11632 | 11632 | 9004 | 9004 | 0 |
| Aug-89 | 11252 | 11252 | 9004 | 9004 | 0 |
| Sep-89 | 12081 | 12081 | 8999 | 8999 | 0 |
| Oct-89 | 13307 | 13307 | 8999 | 8999 | 0 |
| Nov-89 | 13938 | 13938 | 8999 | 8999 | 0 |
| Dec-89 | 15573 | 15573 | 9004 | 9004 | 0 |

| Month | Jamaica Total Nitrogen Load (lb/d) | | | | |
|--------|---------------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 16369 | 16369 | 20667 | 20667 | 0 |
| Feb-88 | 19435 | 19435 | 20699 | 20699 | 0 |
| Mar-88 | 18588 | 18588 | 20695 | 20695 | 0 |
| Apr-88 | 19872 | 19872 | 20699 | 20699 | 0 |
| May-88 | 20848 | 20848 | 20699 | 20699 | 0 |
| Jun-88 | 19488 | 19488 | 20694 | 20694 | 0 |
| Jul-88 | 19007 | 19007 | 20699 | 20699 | 0 |
| Aug-88 | 18334 | 18334 | 20699 | 20699 | 0 |
| Sep-88 | 17662 | 17662 | 20699 | 20699 | 0 |
| Oct-88 | 14146 | 14146 | 20699 | 20699 | 0 |
| Nov-88 | 16702 | 16702 | 20695 | 20695 | 0 |
| Dec-88 | 15683 | 15683 | 20694 | 20694 | 0 |
| Jan-89 | 16391 | 16391 | 20695 | 20695 | 0 |
| Feb-89 | 19435 | 19435 | 20699 | 20699 | 0 |
| Mar-89 | 18588 | 18588 | 20695 | 20695 | 0 |
| Apr-89 | 19872 | 19872 | 20699 | 20699 | 0 |
| May-89 | 20848 | 20848 | 20699 | 20699 | 0 |
| Jun-89 | 19488 | 19488 | 20694 | 20694 | 0 |
| Jul-89 | 19007 | 19007 | 20699 | 20699 | 0 |
| Aug-89 | 18334 | 18334 | 20699 | 20699 | 0 |
| Sep-89 | 17662 | 17662 | 20699 | 20699 | 0 |
| Oct-89 | 14146 | 14146 | 20699 | 20699 | 0 |
| Nov-89 | 16702 | 16702 | 20695 | 20695 | 0 |
| Dec-89 | 15683 | 15683 | 20694 | 20694 | 0 |

| Month | Jamaica Total Organic Carbon Load (lb/d) | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 16482 | 16482 | 15174 | 15174 | 0 |
| Feb-88 | 17505 | 17505 | 15216 | 15216 | 0 |
| Mar-88 | 18929 | 18929 | 15203 | 15203 | 0 |
| Apr-88 | 16707 | 16707 | 15207 | 15207 | 0 |
| May-88 | 16693 | 16693 | 15199 | 15199 | 0 |
| Jun-88 | 17946 | 17946 | 15212 | 15212 | 0 |
| Jul-88 | 16451 | 16451 | 15181 | 15181 | 0 |
| Aug-88 | 18735 | 18735 | 15185 | 15185 | 0 |
| Sep-88 | 15701 | 15701 | 15225 | 15225 | 0 |
| Oct-88 | 11746 | 11746 | 15185 | 15185 | 0 |
| Nov-88 | 16120 | 16120 | 15216 | 15216 | 0 |
| Dec-88 | 15128 | 15128 | 15177 | 15177 | 0 |
| Jan-89 | 16504 | 16504 | 15194 | 15194 | 0 |
| Feb-89 | 17505 | 17505 | 15216 | 15216 | 0 |
| Mar-89 | 18929 | 18929 | 15203 | 15203 | 0 |
| Apr-89 | 16707 | 16707 | 15207 | 15207 | 0 |
| May-89 | 16693 | 16693 | 15199 | 15199 | 0 |
| Jun-89 | 17946 | 17946 | 15212 | 15212 | 0 |
| Jul-89 | 16451 | 16451 | 15181 | 15181 | 0 |
| Aug-89 | 18735 | 18735 | 15185 | 15185 | 0 |
| Sep-89 | 15701 | 15701 | 15225 | 15225 | 0 |
| Oct-89 | 11746 | 11746 | 15185 | 15185 | 0 |
| Nov-89 | 16120 | 16120 | 15216 | 15216 | 0 |
| Dec-89 | 15128 | 15128 | 15177 | 15177 | 0 |

| Month | Rockaway Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 2815 | 2815 | 2793 | 2793 | 0 |
| Feb-88 | 2693 | 2693 | 2796 | 2796 | 0 |
| Mar-88 | 2534 | 2534 | 2795 | 2795 | 0 |
| Apr-88 | 2847 | 2847 | 2796 | 2796 | 0 |
| May-88 | 2994 | 2994 | 2796 | 2796 | 0 |
| Jun-88 | 2357 | 2357 | 2796 | 2796 | 0 |
| Jul-88 | 2661 | 2661 | 2796 | 2796 | 0 |
| Aug-88 | 2811 | 2811 | 2796 | 2796 | 0 |
| Sep-88 | 3181 | 3181 | 2796 | 2796 | 0 |
| Oct-88 | 2299 | 2299 | 2795 | 2795 | 0 |
| Nov-88 | 2403 | 2403 | 2796 | 2796 | 0 |
| Dec-88 | 2301 | 2301 | 2797 | 2797 | 0 |
| Jan-89 | 2819 | 2819 | 2797 | 2797 | 0 |
| Feb-89 | 2693 | 2693 | 2796 | 2796 | 0 |
| Mar-89 | 2534 | 2534 | 2795 | 2795 | 0 |
| Apr-89 | 2847 | 2847 | 2796 | 2796 | 0 |
| May-89 | 2994 | 2994 | 2796 | 2796 | 0 |
| Jun-89 | 2357 | 2357 | 2796 | 2796 | 0 |
| Jul-89 | 2661 | 2661 | 2796 | 2796 | 0 |
| Aug-89 | 2811 | 2811 | 2796 | 2796 | 0 |
| Sep-89 | 3181 | 3181 | 2796 | 2796 | 0 |
| Oct-89 | 2299 | 2299 | 2795 | 2795 | 0 |
| Nov-89 | 2403 | 2403 | 2796 | 2796 | 0 |
| Dec-89 | 2301 | 2301 | 2797 | 2797 | 0 |

| Month | Rockaway | | | | |
|--------|----------------------------------|------------------------|------------------------------|----------------------------|------------------|
| | Total Organic Carbon Load (lb/d) | | | | |
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 3620 | 3620 | 2198 | 2198 | 0 |
| Feb-88 | 3371 | 3371 | 2202 | 2202 | 0 |
| Mar-88 | 3676 | 3676 | 2200 | 2200 | 0 |
| Apr-88 | 3676 | 3676 | 2200 | 2200 | 0 |
| May-88 | 4065 | 4065 | 2198 | 2198 | 0 |
| Jun-88 | 3644 | 3644 | 2201 | 2201 | 0 |
| Jul-88 | 3477 | 3477 | 2198 | 2198 | 0 |
| Aug-88 | 3117 | 3117 | 2198 | 2198 | 0 |
| Sep-88 | 3657 | 3657 | 2202 | 2202 | 0 |
| Oct-88 | 3509 | 3509 | 2198 | 2198 | 0 |
| Nov-88 | 3509 | 3509 | 2198 | 2198 | 0 |
| Dec-88 | 3899 | 3899 | 2200 | 2200 | 0 |
| Jan-89 | 3625 | 3625 | 2201 | 2201 | 0 |
| Feb-89 | 3371 | 3371 | 2202 | 2202 | 0 |
| Mar-89 | 3676 | 3676 | 2200 | 2200 | 0 |
| Apr-89 | 3676 | 3676 | 2200 | 2200 | 0 |
| May-89 | 4065 | 4065 | 2198 | 2198 | 0 |
| Jun-89 | 3644 | 3644 | 2201 | 2201 | 0 |
| Jul-89 | 3477 | 3477 | 2198 | 2198 | 0 |
| Aug-89 | 3117 | 3117 | 2198 | 2198 | 0 |
| Sep-89 | 3657 | 3657 | 2202 | 2202 | 0 |
| Oct-89 | 3509 | 3509 | 2198 | 2198 | 0 |
| Nov-89 | 3509 | 3509 | 2198 | 2198 | 0 |
| Dec-89 | 3899 | 3899 | 2200 | 2200 | 0 |

| Month | Coney Island Total Nitrogen Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 15329 | 15329 | 15981 | 15981 | 0 |
| Feb-88 | 12883 | 12883 | 15998 | 15998 | 0 |
| Mar-88 | 14235 | 14235 | 15997 | 15997 | 0 |
| Apr-88 | 14607 | 14607 | 15997 | 15997 | 0 |
| May-88 | 14123 | 14123 | 15997 | 15997 | 0 |
| Jun-88 | 14313 | 14313 | 16002 | 16002 | 0 |
| Jul-88 | 14427 | 14427 | 15997 | 15997 | 0 |
| Aug-88 | 12219 | 12219 | 15998 | 15998 | 0 |
| Sep-88 | 15025 | 15025 | 15998 | 15998 | 0 |
| Oct-88 | 11061 | 11061 | 15998 | 15998 | 0 |
| Nov-88 | 10600 | 10600 | 15997 | 15997 | 0 |
| Dec-88 | 12267 | 12267 | 15997 | 15997 | 0 |
| Jan-89 | 15350 | 15350 | 16002 | 16002 | 0 |
| Feb-89 | 12883 | 12883 | 15998 | 15998 | 0 |
| Mar-89 | 14235 | 14235 | 15997 | 15997 | 0 |
| Apr-89 | 14607 | 14607 | 15997 | 15997 | 0 |
| May-89 | 14123 | 14123 | 15997 | 15997 | 0 |
| Jun-89 | 14313 | 14313 | 16002 | 16002 | 0 |
| Jul-89 | 14427 | 14427 | 15997 | 15997 | 0 |
| Aug-89 | 12219 | 12219 | 15998 | 15998 | 0 |
| Sep-89 | 15025 | 15025 | 15998 | 15998 | 0 |
| Oct-89 | 11061 | 11061 | 15998 | 15998 | 0 |
| Nov-89 | 10600 | 10600 | 15997 | 15997 | 0 |
| Dec-89 | 12267 | 12267 | 15997 | 15997 | 0 |

| Month | Coney Island Total Organic Carbon Load (lb/d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| | Jan-88 | 19300 | 19300 | 10986 | 10986 |
| Feb-88 | 16843 | 16843 | 11001 | 11001 | 0 |
| Mar-88 | 18947 | 18947 | 10992 | 10992 | 0 |
| Apr-88 | 17090 | 17090 | 10997 | 10997 | 0 |
| May-88 | 16398 | 16398 | 10997 | 10997 | 0 |
| Jun-88 | 15900 | 15900 | 11001 | 11001 | 0 |
| Jul-88 | 16455 | 16455 | 10997 | 10997 | 0 |
| Aug-88 | 13814 | 13814 | 10997 | 10997 | 0 |
| Sep-88 | 16715 | 16715 | 11001 | 11001 | 0 |
| Oct-88 | 15573 | 15573 | 11005 | 11005 | 0 |
| Nov-88 | 16870 | 16870 | 10997 | 10997 | 0 |
| Dec-88 | 17496 | 17496 | 11001 | 11001 | 0 |
| Jan-89 | 19326 | 19326 | 11001 | 11001 | 0 |
| Feb-89 | 16843 | 16843 | 11001 | 11001 | 0 |
| Mar-89 | 18947 | 18947 | 10992 | 10992 | 0 |
| Apr-89 | 17090 | 17090 | 10997 | 10997 | 0 |
| May-89 | 16398 | 16398 | 10997 | 10997 | 0 |
| Jun-89 | 15900 | 15900 | 11001 | 11001 | 0 |
| Jul-89 | 16455 | 16455 | 10997 | 10997 | 0 |
| Aug-89 | 13814 | 13814 | 10997 | 10997 | 0 |
| Sep-89 | 16715 | 16715 | 11001 | 11001 | 0 |
| Oct-89 | 15573 | 15573 | 11005 | 11005 | 0 |
| Nov-89 | 16870 | 16870 | 10997 | 10997 | 0 |
| Dec-89 | 17496 | 17496 | 11001 | 11001 | 0 |

| North Bergen Central Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 667.7 | 1107.4 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 732.5 | 1215.3 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 706.0 | 1168.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 695.9 | 1152.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 733.1 | 1216.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 786.4 | 1302.4 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 851.3 | 1411.8 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 769.8 | 1274.5 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 804.4 | 1332.1 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 743.5 | 1232.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 636.8 | 1055.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 769.9 | 1275.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 668.6 | 1108.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 732.5 | 1215.3 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 706.0 | 1168.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 695.9 | 1152.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 733.1 | 1216.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 786.4 | 1302.4 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 851.3 | 1411.8 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 769.8 | 1274.5 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 804.4 | 1332.1 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 743.5 | 1232.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 636.8 | 1055.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 769.9 | 1275.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |

| North Bergen Central Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 2491.4 | 4128.5 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 3488.6 | 5784.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 2638.5 | 4373.5 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 2566.2 | 4253.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 2552.5 | 4225.8 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 2362.9 | 3918.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 1464.8 | 2426.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 2378.3 | 3943.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 1702.4 | 2824.6 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 2647.8 | 4392.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 2401.7 | 3976.7 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 2258.4 | 3738.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 2494.8 | 4134.1 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 3488.6 | 5784.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 2638.5 | 4373.5 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 2566.2 | 4253.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 2552.5 | 4225.8 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 2362.9 | 3918.9 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 1464.8 | 2426.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 2378.3 | 3943.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 1702.4 | 2824.6 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 2647.8 | 4392.0 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 2401.7 | 3976.7 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 2258.4 | 3738.2 | 0.0 | 0.0 | 0.0 | N/A | N/A | N/A | N/A |

| Secaucus | | | | | | | | | |
|----------------------------|----------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| Total Nitrogen Load (lb/d) | | | | | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 24.5 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 695.6 | 1157.9 | 695.6 | 106.6 | 0.0 | 653.5 | 293.4 | 106.7 | |
| Feb-88 | 793.5 | 1319.2 | 793.5 | 103.7 | 0.0 | 634.0 | 284.6 | 103.5 | |
| Mar-88 | 596.7 | 994.1 | 596.7 | 106.7 | 0.0 | 654.4 | 293.8 | 106.8 | |
| Apr-88 | 543.0 | 904.0 | 543.0 | 96.6 | 0.0 | 593.1 | 266.3 | 96.8 | |
| May-88 | 546.3 | 909.6 | 546.3 | 100.1 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Jun-88 | 799.6 | 1331.1 | 799.6 | 100.0 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Jul-88 | 487.3 | 813.5 | 487.3 | 110.1 | 0.0 | 674.9 | 303.0 | 110.2 | |
| Aug-88 | 546.1 | 907.2 | 546.1 | 100.0 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Sep-88 | 693.0 | 1151.9 | 693.0 | 110.3 | 0.0 | 674.9 | 303.0 | 110.2 | |
| Oct-88 | 872.7 | 1453.1 | 872.7 | 97.0 | 0.0 | 593.1 | 266.3 | 96.8 | |
| Nov-88 | 614.9 | 1024.7 | 614.9 | 96.6 | 0.0 | 593.1 | 266.3 | 96.8 | |
| Dec-88 | 384.9 | 642.9 | 384.9 | 103.3 | 0.0 | 634.0 | 284.6 | 103.5 | |
| Jan-89 | 696.6 | 1159.4 | 696.6 | 106.7 | 0.0 | 654.4 | 293.8 | 106.8 | |
| Feb-89 | 793.5 | 1319.2 | 793.5 | 103.7 | 0.0 | 634.0 | 284.6 | 103.5 | |
| Mar-89 | 596.7 | 994.1 | 596.7 | 106.7 | 0.0 | 654.4 | 293.8 | 106.8 | |
| Apr-89 | 543.0 | 904.0 | 543.0 | 96.6 | 0.0 | 593.1 | 266.3 | 96.8 | |
| May-89 | 546.3 | 909.6 | 546.3 | 100.1 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Jun-89 | 799.6 | 1331.1 | 799.6 | 100.0 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Jul-89 | 487.3 | 813.5 | 487.3 | 110.1 | 0.0 | 674.9 | 303.0 | 110.2 | |
| Aug-89 | 546.1 | 907.2 | 546.1 | 100.0 | 0.0 | 613.5 | 275.5 | 100.2 | |
| Sep-89 | 693.0 | 1151.9 | 693.0 | 110.3 | 0.0 | 674.9 | 303.0 | 110.2 | |
| Oct-89 | 872.7 | 1453.1 | 872.7 | 97.0 | 0.0 | 593.1 | 266.3 | 96.8 | |
| Nov-89 | 614.9 | 1024.7 | 614.9 | 96.6 | 0.0 | 593.1 | 266.3 | 96.8 | |
| Dec-89 | 384.9 | 642.9 | 384.9 | 103.3 | 0.0 | 634.0 | 284.6 | 103.5 | |

| Secaucus | | | | | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|---|--------------------------------------|--|
| Total Organic Carbon Load (lb/d) | | | | | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 568.9 | 947.6 | 568.9 | 37.1 | 0.0 | 355.0 | 218.5 | 81.9 | |
| Feb-88 | 713.0 | 1187.0 | 713.0 | 36.1 | 0.0 | 344.6 | 212.1 | 79.5 | |
| Mar-88 | 563.1 | 937.8 | 563.1 | 37.2 | 0.0 | 355.9 | 219.0 | 82.1 | |
| Apr-88 | 876.1 | 1457.7 | 876.1 | 33.8 | 0.0 | 322.4 | 198.4 | 74.4 | |
| May-88 | 560.4 | 933.0 | 560.4 | 34.9 | 0.0 | 333.6 | 205.3 | 77.0 | |
| Jun-88 | 410.1 | 682.6 | 410.1 | 34.9 | 0.0 | 333.4 | 205.2 | 76.9 | |
| Jul-88 | 487.7 | 811.7 | 487.7 | 38.4 | 0.0 | 366.7 | 225.7 | 84.6 | |
| Aug-88 | 537.5 | 895.1 | 537.5 | 34.9 | 0.0 | 333.6 | 205.3 | 77.0 | |
| Sep-88 | 531.3 | 884.9 | 531.3 | 38.4 | 0.0 | 367.1 | 225.9 | 84.7 | |
| Oct-88 | 500.4 | 833.3 | 500.4 | 33.8 | 0.0 | 322.5 | 198.5 | 74.4 | |
| Nov-88 | 461.2 | 768.1 | 461.2 | 33.7 | 0.0 | 322.3 | 198.3 | 74.4 | |
| Dec-88 | 604.1 | 1006.2 | 604.1 | 36.1 | 0.0 | 344.4 | 212.0 | 79.5 | |
| Jan-89 | 569.7 | 948.9 | 569.7 | 37.2 | 0.0 | 355.5 | 218.8 | 82.0 | |
| Feb-89 | 713.0 | 1187.0 | 713.0 | 36.1 | 0.0 | 344.6 | 212.1 | 79.5 | |
| Mar-89 | 563.1 | 937.8 | 563.1 | 37.2 | 0.0 | 355.9 | 219.0 | 82.1 | |
| Apr-89 | 876.1 | 1457.7 | 876.1 | 33.8 | 0.0 | 322.4 | 198.4 | 74.4 | |
| May-89 | 560.4 | 933.0 | 560.4 | 34.9 | 0.0 | 333.6 | 205.3 | 77.0 | |
| Jun-89 | 410.1 | 682.6 | 410.1 | 34.9 | 0.0 | 333.4 | 205.2 | 76.9 | |
| Jul-89 | 487.7 | 811.7 | 487.7 | 38.4 | 0.0 | 366.7 | 225.7 | 84.6 | |
| Aug-89 | 537.5 | 895.1 | 537.5 | 34.9 | 0.0 | 333.6 | 205.3 | 77.0 | |
| Sep-89 | 531.3 | 884.9 | 531.3 | 38.4 | 0.0 | 367.1 | 225.9 | 84.7 | |
| Oct-89 | 500.4 | 833.3 | 500.4 | 33.8 | 0.0 | 322.5 | 198.5 | 74.4 | |
| Nov-89 | 461.2 | 768.1 | 461.2 | 33.7 | 0.0 | 322.3 | 198.3 | 74.4 | |
| Dec-89 | 604.1 | 1006.2 | 604.1 | 36.1 | 0.0 | 344.4 | 212.0 | 79.5 | |

| Bergen County Total Nitrogen Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|--------------------------------------|------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 11.0 (mg/L) | Medium TN Removal TN = 8.0 (mg/L) | High TN Removal TN = 4.5 (mg/L) | |
| Jan-88 | 12903.7 | 16411.5 | 12903.7 | 2789.2 | 0.0 | 6813.0 | 4954.9 | 2787.1 | |
| Feb-88 | 13023.0 | 16541.2 | 13023.0 | 2595.1 | 0.0 | 6344.7 | 4614.3 | 2595.6 | |
| Mar-88 | 12718.0 | 16173.8 | 12718.0 | 2659.0 | 0.0 | 6500.8 | 4727.9 | 2659.4 | |
| Apr-88 | 12445.2 | 15843.6 | 12445.2 | 2455.7 | 0.0 | 6005.0 | 4367.3 | 2456.6 | |
| May-88 | 12024.0 | 15270.5 | 12024.0 | 2442.8 | 0.0 | 5968.3 | 4340.5 | 2441.6 | |
| Jun-88 | 13350.7 | 16963.3 | 13350.7 | 2499.4 | 0.0 | 6106.0 | 4440.7 | 2497.9 | |
| Jul-88 | 13234.2 | 16817.0 | 13234.2 | 2417.8 | 0.0 | 5913.2 | 4300.5 | 2419.0 | |
| Aug-88 | 11205.7 | 14243.6 | 11205.7 | 2369.5 | 0.0 | 5793.8 | 4213.7 | 2370.2 | |
| Sep-88 | 11332.1 | 14413.3 | 11332.1 | 2176.6 | 0.0 | 5325.5 | 3873.1 | 2178.6 | |
| Oct-88 | 9550.7 | 12132.2 | 9550.7 | 2330.4 | 0.0 | 5702.0 | 4146.9 | 2332.6 | |
| Nov-88 | 12219.2 | 15547.3 | 12219.2 | 2424.6 | 0.0 | 5922.3 | 4307.2 | 2422.8 | |
| Dec-88 | 12417.6 | 15808.9 | 12417.6 | 2717.7 | 0.0 | 6647.7 | 4834.7 | 2719.5 | |
| Jan-89 | 12921.0 | 16433.5 | 12921.0 | 2793.0 | 0.0 | 6822.2 | 4961.6 | 2790.9 | |
| Feb-89 | 13023.0 | 16541.3 | 13023.0 | 2595.1 | 0.0 | 6344.7 | 4614.3 | 2595.6 | |
| Mar-89 | 12718.0 | 16173.8 | 12718.0 | 2659.0 | 0.0 | 6500.8 | 4727.9 | 2659.4 | |
| Apr-89 | 12445.2 | 15843.6 | 12445.2 | 2455.7 | 0.0 | 6005.0 | 4367.3 | 2456.6 | |
| May-89 | 12024.0 | 15270.5 | 12024.0 | 2442.8 | 0.0 | 5968.3 | 4340.5 | 2441.6 | |
| Jun-89 | 13350.7 | 16963.3 | 13350.7 | 2499.4 | 0.0 | 6106.0 | 4440.7 | 2497.9 | |
| Jul-89 | 13234.2 | 16817.0 | 13234.2 | 2417.8 | 0.0 | 5913.2 | 4300.5 | 2419.0 | |
| Aug-89 | 11205.7 | 14243.6 | 11205.7 | 2369.5 | 0.0 | 5793.8 | 4213.7 | 2370.2 | |
| Sep-89 | 11332.1 | 14413.3 | 11332.1 | 2176.6 | 0.0 | 5325.5 | 3873.1 | 2178.6 | |
| Oct-89 | 9550.7 | 12132.2 | 9550.7 | 2330.4 | 0.0 | 5702.0 | 4146.9 | 2332.6 | |
| Nov-89 | 12219.2 | 15547.3 | 12219.2 | 2424.6 | 0.0 | 5922.3 | 4307.2 | 2422.8 | |
| Dec-89 | 12417.6 | 15808.9 | 12417.6 | 2717.7 | 0.0 | 6647.7 | 4834.7 | 2719.5 | |

| Bergen County Total Organic Carbon Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 18436.8 | 23408.1 | 18436.8 | 872.7 | 0.0 | 8340.1 | 5132.3 | 1924.6 | |
| Feb-88 | 14488.8 | 18426.2 | 14488.8 | 811.3 | 0.0 | 7750.7 | 4769.7 | 1788.6 | |
| Mar-88 | 17619.3 | 22403.4 | 17619.3 | 832.0 | 0.0 | 7951.1 | 4893.0 | 1834.9 | |
| Apr-88 | 18840.7 | 23955.4 | 18840.7 | 769.0 | 0.0 | 7345.7 | 4520.4 | 1695.2 | |
| May-88 | 19599.1 | 24925.5 | 19599.1 | 764.1 | 0.0 | 7293.2 | 4488.1 | 1683.1 | |
| Jun-88 | 21781.7 | 27681.2 | 21781.7 | 781.8 | 0.0 | 7466.5 | 4594.7 | 1723.0 | |
| Jul-88 | 17716.3 | 22531.2 | 17716.3 | 756.6 | 0.0 | 7225.4 | 4446.4 | 1667.4 | |
| Aug-88 | 16539.1 | 21014.5 | 16539.1 | 742.1 | 0.0 | 7084.7 | 4359.8 | 1634.9 | |
| Sep-88 | 15979.1 | 20304.6 | 15979.1 | 680.8 | 0.0 | 6508.1 | 4005.0 | 1501.9 | |
| Oct-88 | 14643.1 | 18651.1 | 14643.1 | 729.7 | 0.0 | 6970.2 | 4289.4 | 1608.5 | |
| Nov-88 | 14369.7 | 18267.5 | 14369.7 | 757.9 | 0.0 | 7237.7 | 4454.0 | 1670.2 | |
| Dec-88 | 16115.8 | 20507.4 | 16115.8 | 850.1 | 0.0 | 8124.3 | 4999.6 | 1874.8 | |
| Jan-89 | 18461.5 | 23439.6 | 18461.5 | 873.9 | 0.0 | 8351.3 | 5139.3 | 1927.2 | |
| Feb-89 | 14488.8 | 18426.2 | 14488.8 | 811.3 | 0.0 | 7750.7 | 4769.7 | 1788.6 | |
| Mar-89 | 17619.3 | 22403.4 | 17619.3 | 832.0 | 0.0 | 7951.1 | 4893.0 | 1834.9 | |
| Apr-89 | 18840.7 | 23955.4 | 18840.7 | 769.0 | 0.0 | 7345.7 | 4520.4 | 1695.2 | |
| May-89 | 19599.1 | 24925.5 | 19599.1 | 764.1 | 0.0 | 7293.2 | 4488.1 | 1683.1 | |
| Jun-89 | 21781.7 | 27681.2 | 21781.7 | 781.8 | 0.0 | 7466.5 | 4594.7 | 1723.0 | |
| Jul-89 | 17716.3 | 22531.2 | 17716.3 | 756.6 | 0.0 | 7225.4 | 4446.4 | 1667.4 | |
| Aug-89 | 16539.1 | 21014.5 | 16539.1 | 742.1 | 0.0 | 7084.7 | 4359.8 | 1634.9 | |
| Sep-89 | 15979.1 | 20304.6 | 15979.1 | 680.8 | 0.0 | 6508.1 | 4005.0 | 1501.9 | |
| Oct-89 | 14643.1 | 18651.1 | 14643.1 | 729.7 | 0.0 | 6970.2 | 4289.4 | 1608.5 | |
| Nov-89 | 14369.7 | 18267.5 | 14369.7 | 757.9 | 0.0 | 7237.7 | 4454.0 | 1670.2 | |
| Dec-89 | 16115.8 | 20507.4 | 16115.8 | 850.1 | 0.0 | 8124.3 | 4999.6 | 1874.8 | |

| Month | Port Richmond Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 3168.2 | 5110.9 | 3168.2 | 3168.2 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 3548.6 | 5719.7 | 3548.6 | 3548.6 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 2655.2 | 4283.1 | 2655.2 | 2655.2 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 3624.8 | 5848.4 | 3624.8 | 3624.8 | 0.0 | N/A | N/A | N/A | |
| May-88 | 3471.0 | 5602.8 | 3471.0 | 3471.0 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 2876.6 | 4642.1 | 2876.6 | 2876.6 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 2280.0 | 3678.2 | 2280.0 | 2280.0 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 2935.7 | 4736.0 | 2935.7 | 2935.7 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 3936.6 | 6352.0 | 3936.6 | 3936.6 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 2649.1 | 4274.3 | 2649.1 | 2649.1 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 2722.7 | 4392.9 | 2722.7 | 2722.7 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 2972.7 | 4798.1 | 2972.7 | 2972.7 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 3172.5 | 5117.8 | 3172.5 | 3172.5 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 3548.6 | 5719.7 | 3548.6 | 3548.6 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 2655.2 | 4283.1 | 2655.2 | 2655.2 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 3624.8 | 5848.4 | 3624.8 | 3624.8 | 0.0 | N/A | N/A | N/A | |
| May-89 | 3471.0 | 5602.8 | 3471.0 | 3471.0 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 2876.6 | 4642.1 | 2876.6 | 2876.6 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 2280.0 | 3678.2 | 2280.0 | 2280.0 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 2935.7 | 4736.0 | 2935.7 | 2935.7 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 3936.6 | 6352.0 | 3936.6 | 3936.6 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 2649.1 | 4274.3 | 2649.1 | 2649.1 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 2722.7 | 4392.9 | 2722.7 | 2722.7 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 2972.7 | 4798.1 | 2972.7 | 2972.7 | 0.0 | N/A | N/A | N/A | |

| Port Richmond Total Organic Carbon Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 3476.9 | 5610.7 | 3476.9 | 3476.9 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 3486.4 | 5627.5 | 3486.4 | 3486.4 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 2594.4 | 4182.6 | 2594.4 | 2594.4 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 4125.7 | 6653.6 | 4125.7 | 4125.7 | 0.0 | N/A | N/A | N/A | |
| May-88 | 3252.3 | 5250.1 | 3252.3 | 3252.3 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 2318.8 | 3743.9 | 2318.8 | 2318.8 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 2426.4 | 3911.0 | 2426.4 | 2426.4 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 2952.4 | 4764.6 | 2952.4 | 2952.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 2318.8 | 3743.9 | 2318.8 | 2318.8 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 1650.4 | 2661.9 | 1650.4 | 1650.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 1675.1 | 2704.2 | 1675.1 | 1675.1 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 2546.3 | 4110.3 | 2546.3 | 2546.3 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 3481.5 | 5618.3 | 3481.5 | 3481.5 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 3486.4 | 5627.5 | 3486.4 | 3486.4 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 2594.4 | 4182.6 | 2594.4 | 2594.4 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 4125.7 | 6653.6 | 4125.7 | 4125.7 | 0.0 | N/A | N/A | N/A | |
| May-89 | 3252.3 | 5250.1 | 3252.3 | 3252.3 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 2318.8 | 3743.9 | 2318.8 | 2318.8 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 2426.4 | 3911.0 | 2426.4 | 2426.4 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 2952.4 | 4764.6 | 2952.4 | 2952.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 2318.8 | 3743.9 | 2318.8 | 2318.8 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 1650.4 | 2661.9 | 1650.4 | 1650.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 1675.1 | 2704.2 | 1675.1 | 1675.1 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 2546.3 | 4110.3 | 2546.3 | 2546.3 | 0.0 | N/A | N/A | N/A | |

| Linden Roselle Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|--------------------------------------|------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 11.0 (mg/L) | Medium TN Removal TN = 8.0 (mg/L) | High TN Removal TN = 4.5 (mg/L) | |
| Jan-88 | 10246.6 | 14247.0 | 10246.6 | 485.3 | 0.0 | 1182.9 | 860.3 | 483.9 | |
| Feb-88 | 13771.4 | 19171.6 | 13771.4 | 490.5 | 0.0 | 1193.7 | 868.1 | 488.3 | |
| Mar-88 | 11385.1 | 15840.6 | 11385.1 | 535.5 | 0.0 | 1313.0 | 954.9 | 537.1 | |
| Apr-88 | 7694.9 | 10710.0 | 7694.9 | 540.0 | 0.0 | 1322.2 | 961.6 | 540.9 | |
| May-88 | 6390.8 | 8910.6 | 6390.8 | 450.1 | 0.0 | 1101.8 | 801.3 | 450.7 | |
| Jun-88 | 6120.2 | 8505.7 | 6120.2 | 432.0 | 0.0 | 1055.9 | 767.9 | 432.0 | |
| Jul-88 | 5219.9 | 7244.9 | 5219.9 | 490.4 | 0.0 | 1193.7 | 868.1 | 488.3 | |
| Aug-88 | 7200.6 | 10035.3 | 7200.6 | 405.5 | 0.0 | 991.6 | 721.2 | 405.7 | |
| Sep-88 | 5895.6 | 8190.9 | 5895.6 | 416.7 | 0.0 | 1019.2 | 741.2 | 416.9 | |
| Oct-88 | 2817.2 | 3919.8 | 2817.2 | 398.3 | 0.0 | 973.3 | 707.8 | 398.2 | |
| Nov-88 | 2992.7 | 4162.7 | 2992.7 | 424.4 | 0.0 | 1037.6 | 754.6 | 424.5 | |
| Dec-88 | 6254.8 | 8685.2 | 6254.8 | 439.6 | 0.0 | 1074.3 | 781.3 | 439.5 | |
| Jan-89 | 10260.4 | 14266.0 | 10260.4 | 486.0 | 0.0 | 1184.5 | 861.4 | 484.6 | |
| Feb-89 | 13771.4 | 19171.6 | 13771.4 | 490.5 | 0.0 | 1193.7 | 868.1 | 488.3 | |
| Mar-89 | 11385.1 | 15840.6 | 11385.1 | 535.5 | 0.0 | 1313.0 | 954.9 | 537.1 | |
| Apr-89 | 7694.9 | 10710.0 | 7694.9 | 540.0 | 0.0 | 1322.2 | 961.6 | 540.9 | |
| May-89 | 6390.8 | 8910.6 | 6390.8 | 450.1 | 0.0 | 1101.8 | 801.3 | 450.7 | |
| Jun-89 | 6120.2 | 8505.7 | 6120.2 | 432.0 | 0.0 | 1055.9 | 767.9 | 432.0 | |
| Jul-89 | 5219.9 | 7244.9 | 5219.9 | 490.4 | 0.0 | 1193.7 | 868.1 | 488.3 | |
| Aug-89 | 7200.6 | 10035.3 | 7200.6 | 405.5 | 0.0 | 991.6 | 721.2 | 405.7 | |
| Sep-89 | 5895.6 | 8190.9 | 5895.6 | 416.7 | 0.0 | 1019.2 | 741.2 | 416.9 | |
| Oct-89 | 2817.2 | 3919.8 | 2817.2 | 398.3 | 0.0 | 973.3 | 707.8 | 398.2 | |
| Nov-89 | 2992.7 | 4162.7 | 2992.7 | 424.4 | 0.0 | 1037.6 | 754.6 | 424.5 | |
| Dec-89 | 6254.8 | 8685.2 | 6254.8 | 439.6 | 0.0 | 1074.3 | 781.3 | 439.5 | |

| Linden Roselle Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|---|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 2464.1 | 3428.4 | 2464.1 | 361.7 | 0.0 | 1294.7 | 796.7 | 298.8 | |
| Feb-88 | 3319.7 | 4622.7 | 3319.7 | 365.4 | 0.0 | 1306.9 | 804.3 | 301.6 | |
| Mar-88 | 2738.6 | 3810.5 | 2738.6 | 401.3 | 0.0 | 1436.9 | 884.2 | 331.6 | |
| Apr-88 | 1846.6 | 2574.6 | 1846.6 | 404.7 | 0.0 | 1447.8 | 891.0 | 334.1 | |
| May-88 | 1540.6 | 2142.9 | 1540.6 | 336.7 | 0.0 | 1206.5 | 742.4 | 278.4 | |
| Jun-88 | 1471.4 | 2047.7 | 1471.4 | 323.0 | 0.0 | 1155.7 | 711.2 | 266.7 | |
| Jul-88 | 1253.5 | 1743.0 | 1253.5 | 364.9 | 0.0 | 1305.0 | 803.1 | 301.2 | |
| Aug-88 | 1731.5 | 2406.1 | 1731.5 | 303.1 | 0.0 | 1085.2 | 667.8 | 250.4 | |
| Sep-88 | 1424.6 | 1980.6 | 1424.6 | 310.8 | 0.0 | 1114.9 | 686.1 | 257.3 | |
| Oct-88 | 677.7 | 943.1 | 677.7 | 297.1 | 0.0 | 1065.2 | 655.5 | 245.8 | |
| Nov-88 | 720.0 | 1002.2 | 720.0 | 316.8 | 0.0 | 1135.7 | 698.9 | 262.1 | |
| Dec-88 | 1502.7 | 2090.9 | 1502.7 | 328.2 | 0.0 | 1174.9 | 723.0 | 271.1 | |
| Jan-89 | 2467.4 | 3433.0 | 2467.4 | 362.2 | 0.0 | 1296.4 | 797.8 | 299.2 | |
| Feb-89 | 3319.7 | 4622.7 | 3319.7 | 365.4 | 0.0 | 1306.9 | 804.3 | 301.6 | |
| Mar-89 | 2738.6 | 3810.5 | 2738.6 | 401.3 | 0.0 | 1436.9 | 884.2 | 331.6 | |
| Apr-89 | 1846.6 | 2574.6 | 1846.6 | 404.7 | 0.0 | 1447.8 | 891.0 | 334.1 | |
| May-89 | 1540.6 | 2142.9 | 1540.6 | 336.7 | 0.0 | 1206.5 | 742.4 | 278.4 | |
| Jun-89 | 1471.4 | 2047.7 | 1471.4 | 323.0 | 0.0 | 1155.7 | 711.2 | 266.7 | |
| Jul-89 | 1253.5 | 1743.0 | 1253.5 | 364.9 | 0.0 | 1305.0 | 803.1 | 301.2 | |
| Aug-89 | 1731.5 | 2406.1 | 1731.5 | 303.1 | 0.0 | 1085.2 | 667.8 | 250.4 | |
| Sep-89 | 1424.6 | 1980.6 | 1424.6 | 310.8 | 0.0 | 1114.9 | 686.1 | 257.3 | |
| Oct-89 | 677.7 | 943.1 | 677.7 | 297.1 | 0.0 | 1065.2 | 655.5 | 245.8 | |
| Nov-89 | 720.0 | 1002.2 | 720.0 | 316.8 | 0.0 | 1135.7 | 698.9 | 262.1 | |
| Dec-89 | 1502.7 | 2090.9 | 1502.7 | 328.2 | 0.0 | 1174.9 | 723.0 | 271.1 | |

| Month | Jnt Meeting Essex Union Total Nitrogen Load (lb/d) | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|------------------------------------|--------------------------------------|------------------------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 11.0 (mg/L) | Medium TN Removal TN = 8.0 (mg/L) | High TN Removal TN = 4.5 (mg/L) |
| Jan-88 | 5094.2 | 7518.2 | 5094.2 | 2205.4 | 0.0 | 5391.7 | 3921.2 | 2205.7 |
| Feb-88 | 9009.5 | 13299.4 | 9009.5 | 2345.6 | 0.0 | 5729.5 | 4166.9 | 2343.9 |
| Mar-88 | 10203.3 | 15060.6 | 10203.3 | 2336.0 | 0.0 | 5711.2 | 4153.6 | 2336.4 |
| Apr-88 | 11595.5 | 17106.6 | 11595.5 | 2017.7 | 0.0 | 4930.7 | 3586.0 | 2017.1 |
| May-88 | 13522.6 | 19949.3 | 13522.6 | 1975.8 | 0.0 | 4829.7 | 3512.5 | 1975.8 |
| Jun-88 | 13186.3 | 19482.5 | 13186.3 | 1856.0 | 0.0 | 4535.9 | 3298.8 | 1855.6 |
| Jul-88 | 13417.4 | 19808.9 | 13417.4 | 1976.4 | 0.0 | 4829.7 | 3512.5 | 1975.8 |
| Aug-88 | 14036.5 | 20704.1 | 14036.5 | 2113.9 | 0.0 | 5169.4 | 3759.6 | 2114.8 |
| Sep-88 | 12456.6 | 18400.4 | 12456.6 | 2171.1 | 0.0 | 5307.2 | 3859.7 | 2171.1 |
| Oct-88 | 4304.0 | 6347.9 | 4304.0 | 2156.6 | 0.0 | 5270.4 | 3833.0 | 2156.1 |
| Nov-88 | 4224.1 | 6231.8 | 4224.1 | 2321.9 | 0.0 | 5674.4 | 4126.9 | 2321.4 |
| Dec-88 | 7310.5 | 10770.4 | 7310.5 | 2490.2 | 0.0 | 6078.4 | 4420.7 | 2486.6 |
| Jan-89 | 5101.1 | 7528.3 | 5101.1 | 2208.4 | 0.0 | 5399.0 | 3926.5 | 2208.7 |
| Feb-89 | 9009.5 | 13299.4 | 9009.5 | 2345.6 | 0.0 | 5729.5 | 4166.9 | 2343.9 |
| Mar-89 | 10203.3 | 15060.6 | 10203.3 | 2336.0 | 0.0 | 5711.2 | 4153.6 | 2336.4 |
| Apr-89 | 11595.5 | 17106.6 | 11595.5 | 2017.7 | 0.0 | 4930.7 | 3586.0 | 2017.1 |
| May-89 | 13522.6 | 19949.3 | 13522.6 | 1975.8 | 0.0 | 4829.7 | 3512.5 | 1975.8 |
| Jun-89 | 13186.3 | 19482.5 | 13186.3 | 1856.0 | 0.0 | 4535.9 | 3298.8 | 1855.6 |
| Jul-89 | 13417.4 | 19808.9 | 13417.4 | 1976.4 | 0.0 | 4829.7 | 3512.5 | 1975.8 |
| Aug-89 | 14036.5 | 20704.1 | 14036.5 | 2113.9 | 0.0 | 5169.4 | 3759.6 | 2114.8 |
| Sep-89 | 12456.6 | 18400.4 | 12456.6 | 2171.1 | 0.0 | 5307.2 | 3859.7 | 2171.1 |
| Oct-89 | 4304.0 | 6347.9 | 4304.0 | 2156.6 | 0.0 | 5270.4 | 3833.0 | 2156.1 |
| Nov-89 | 4224.1 | 6231.8 | 4224.1 | 2321.9 | 0.0 | 5674.4 | 4126.9 | 2321.4 |
| Dec-89 | 7310.5 | 10770.4 | 7310.5 | 2490.2 | 0.0 | 6078.4 | 4420.7 | 2486.6 |

| Jnt Meeting Essex Union Total Organic Carbon Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 12346.9 | 18221.0 | 12346.9 | 2017.6 | 0.0 | 7228.0 | 4448.0 | 1668.0 | |
| Feb-88 | 9537.2 | 14074.3 | 9537.2 | 2146.4 | 0.0 | 7682.5 | 4727.7 | 1772.9 | |
| Mar-88 | 13060.2 | 19281.6 | 13060.2 | 2138.0 | 0.0 | 7655.1 | 4710.8 | 1766.6 | |
| Apr-88 | 10260.3 | 15145.8 | 10260.3 | 1847.0 | 0.0 | 6613.2 | 4069.6 | 1526.1 | |
| May-88 | 4770.8 | 7037.2 | 4770.8 | 1807.8 | 0.0 | 6475.4 | 3984.9 | 1494.3 | |
| Jun-88 | 5185.3 | 7650.0 | 5185.3 | 1698.4 | 0.0 | 6082.9 | 3743.3 | 1403.7 | |
| Jul-88 | 4515.1 | 6666.8 | 4515.1 | 1806.9 | 0.0 | 6470.2 | 3981.7 | 1493.1 | |
| Aug-88 | 5917.2 | 8734.7 | 5917.2 | 1936.5 | 0.0 | 6931.9 | 4265.8 | 1599.7 | |
| Sep-88 | 3862.5 | 5701.2 | 3862.5 | 1987.2 | 0.0 | 7115.1 | 4378.5 | 1641.9 | |
| Oct-88 | 13712.8 | 20207.6 | 13712.8 | 1973.6 | 0.0 | 7066.2 | 4348.4 | 1630.7 | |
| Nov-88 | 15326.5 | 22615.0 | 15326.5 | 2125.3 | 0.0 | 7605.8 | 4680.5 | 1755.2 | |
| Dec-88 | 18329.2 | 27046.3 | 18329.2 | 2276.5 | 0.0 | 8153.0 | 5017.2 | 1881.5 | |
| Jan-89 | 12363.5 | 18245.5 | 12363.5 | 2020.3 | 0.0 | 7237.7 | 4454.0 | 1670.2 | |
| Feb-89 | 9537.2 | 14074.3 | 9537.2 | 2146.4 | 0.0 | 7682.5 | 4727.7 | 1772.9 | |
| Mar-89 | 13060.2 | 19281.6 | 13060.2 | 2138.0 | 0.0 | 7655.1 | 4710.8 | 1766.6 | |
| Apr-89 | 10260.3 | 15145.8 | 10260.3 | 1847.0 | 0.0 | 6613.2 | 4069.6 | 1526.1 | |
| May-89 | 4770.8 | 7037.2 | 4770.8 | 1807.8 | 0.0 | 6475.4 | 3984.9 | 1494.3 | |
| Jun-89 | 5185.3 | 7650.0 | 5185.3 | 1698.4 | 0.0 | 6082.9 | 3743.3 | 1403.7 | |
| Jul-89 | 4515.1 | 6666.8 | 4515.1 | 1806.9 | 0.0 | 6470.2 | 3981.7 | 1493.1 | |
| Aug-89 | 5917.2 | 8734.7 | 5917.2 | 1936.5 | 0.0 | 6931.9 | 4265.8 | 1599.7 | |
| Sep-89 | 3862.5 | 5701.2 | 3862.5 | 1987.2 | 0.0 | 7115.1 | 4378.5 | 1641.9 | |
| Oct-89 | 13712.8 | 20207.6 | 13712.8 | 1973.6 | 0.0 | 7066.2 | 4348.4 | 1630.7 | |
| Nov-89 | 15326.5 | 22615.0 | 15326.5 | 2125.3 | 0.0 | 7605.8 | 4680.5 | 1755.2 | |
| Dec-89 | 18329.2 | 27046.3 | 18329.2 | 2276.5 | 0.0 | 8153.0 | 5017.2 | 1881.5 | |

| Month | Rahway Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|--------------------------------------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 11.0 (mg/L) | Medium TN Removal TN = 8.0 (mg/L) | High TN Removal TN = 4.5 (mg/L) | |
| Jan-88 | 2977.3 | 4741.6 | 2977.3 | 1018.1 | 0.0 | 2494.1 | 1813.9 | 1020.3 | |
| Feb-88 | 4423.9 | 7059.2 | 4423.9 | 1006.3 | 0.0 | 2460.8 | 1789.6 | 1006.7 | |
| Mar-88 | 3965.7 | 6314.5 | 3965.7 | 1086.2 | 0.0 | 2653.6 | 1929.9 | 1085.6 | |
| Apr-88 | 4020.8 | 6404.4 | 4020.8 | 945.4 | 0.0 | 2313.8 | 1682.8 | 946.6 | |
| May-88 | 3846.6 | 6125.8 | 3846.6 | 918.4 | 0.0 | 2249.6 | 1636.1 | 920.3 | |
| Jun-88 | 3423.5 | 5453.6 | 3423.5 | 918.3 | 0.0 | 2249.6 | 1636.1 | 920.3 | |
| Jul-88 | 3497.7 | 5568.0 | 3497.7 | 978.8 | 0.0 | 2396.5 | 1742.9 | 980.4 | |
| Aug-88 | 4055.9 | 6459.5 | 4055.9 | 884.1 | 0.0 | 2166.9 | 1576.0 | 886.5 | |
| Sep-88 | 3453.2 | 5498.1 | 3453.2 | 870.3 | 0.0 | 2130.2 | 1549.2 | 871.4 | |
| Oct-88 | 2781.7 | 4428.8 | 2781.7 | 856.8 | 0.0 | 2093.5 | 1522.5 | 856.4 | |
| Nov-88 | 3144.4 | 5005.7 | 3144.4 | 875.8 | 0.0 | 2139.4 | 1555.9 | 875.2 | |
| Dec-88 | 5782.7 | 9228.6 | 5782.7 | 950.9 | 0.0 | 2323.0 | 1689.5 | 950.3 | |
| Jan-89 | 2981.3 | 4748.0 | 2981.3 | 1019.5 | 0.0 | 2497.5 | 1816.4 | 1021.7 | |
| Feb-89 | 4423.9 | 7059.2 | 4423.9 | 1006.3 | 0.0 | 2460.8 | 1789.6 | 1006.7 | |
| Mar-89 | 3965.7 | 6314.5 | 3965.7 | 1086.2 | 0.0 | 2653.6 | 1929.9 | 1085.6 | |
| Apr-89 | 4020.8 | 6404.4 | 4020.8 | 945.4 | 0.0 | 2313.8 | 1682.8 | 946.6 | |
| May-89 | 3846.6 | 6125.8 | 3846.6 | 918.4 | 0.0 | 2249.6 | 1636.1 | 920.3 | |
| Jun-89 | 3423.5 | 5453.6 | 3423.5 | 918.3 | 0.0 | 2249.6 | 1636.1 | 920.3 | |
| Jul-89 | 3497.7 | 5568.0 | 3497.7 | 978.8 | 0.0 | 2396.5 | 1742.9 | 980.4 | |
| Aug-89 | 4055.9 | 6459.5 | 4055.9 | 884.1 | 0.0 | 2166.9 | 1576.0 | 886.5 | |
| Sep-89 | 3453.2 | 5498.1 | 3453.2 | 870.3 | 0.0 | 2130.2 | 1549.2 | 871.4 | |
| Oct-89 | 2781.7 | 4428.8 | 2781.7 | 856.8 | 0.0 | 2093.5 | 1522.5 | 856.4 | |
| Nov-89 | 3144.4 | 5005.7 | 3144.4 | 875.8 | 0.0 | 2139.4 | 1555.9 | 875.2 | |
| Dec-89 | 5782.7 | 9228.6 | 5782.7 | 950.9 | 0.0 | 2323.0 | 1689.5 | 950.3 | |

| Month | Rahway Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.2 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 4513.4 | 7190.6 | 4513.4 | 920.3 | 0.0 | 3143.4 | 2028.0 | 760.5 | |
| Feb-88 | 6710.9 | 10683.6 | 6710.9 | 908.3 | 0.0 | 3102.8 | 2001.8 | 750.7 | |
| Mar-88 | 6009.8 | 9576.9 | 6009.8 | 979.7 | 0.0 | 3346.6 | 2159.1 | 809.7 | |
| Apr-88 | 6098.0 | 9713.6 | 6098.0 | 854.1 | 0.0 | 2916.7 | 1881.7 | 705.7 | |
| May-88 | 5833.4 | 9290.3 | 5833.4 | 830.3 | 0.0 | 2835.6 | 1829.5 | 686.0 | |
| Jun-88 | 5189.7 | 8262.9 | 5189.7 | 829.8 | 0.0 | 2834.4 | 1828.6 | 685.7 | |
| Jul-88 | 5295.5 | 8439.3 | 5295.5 | 884.1 | 0.0 | 3019.6 | 1948.1 | 730.5 | |
| Aug-88 | 6142.1 | 9779.7 | 6142.1 | 799.4 | 0.0 | 2732.3 | 1762.8 | 661.0 | |
| Sep-88 | 5225.0 | 8320.2 | 5225.0 | 785.7 | 0.0 | 2685.2 | 1732.4 | 649.6 | |
| Oct-88 | 4215.2 | 6719.7 | 4215.2 | 772.9 | 0.0 | 2638.4 | 1702.2 | 638.3 | |
| Nov-88 | 4766.4 | 7588.3 | 4766.4 | 789.3 | 0.0 | 2696.9 | 1739.9 | 652.5 | |
| Dec-88 | 8765.6 | 13955.3 | 8765.6 | 857.2 | 0.0 | 2927.9 | 1889.0 | 708.4 | |
| Jan-89 | 4519.5 | 7200.3 | 4519.5 | 921.5 | 0.0 | 3147.6 | 2030.7 | 761.5 | |
| Feb-89 | 6710.9 | 10683.6 | 6710.9 | 908.3 | 0.0 | 3102.8 | 2001.8 | 750.7 | |
| Mar-89 | 6009.8 | 9576.9 | 6009.8 | 979.7 | 0.0 | 3346.6 | 2159.1 | 809.7 | |
| Apr-89 | 6098.0 | 9713.6 | 6098.0 | 854.1 | 0.0 | 2916.7 | 1881.7 | 705.7 | |
| May-89 | 5833.4 | 9290.3 | 5833.4 | 830.3 | 0.0 | 2835.6 | 1829.5 | 686.0 | |
| Jun-89 | 5189.7 | 8262.9 | 5189.7 | 829.8 | 0.0 | 2834.4 | 1828.6 | 685.7 | |
| Jul-89 | 5295.5 | 8439.3 | 5295.5 | 884.1 | 0.0 | 3019.6 | 1948.1 | 730.5 | |
| Aug-89 | 6142.1 | 9779.7 | 6142.1 | 799.4 | 0.0 | 2732.3 | 1762.8 | 661.0 | |
| Sep-89 | 5225.0 | 8320.2 | 5225.0 | 785.7 | 0.0 | 2685.2 | 1732.4 | 649.6 | |
| Oct-89 | 4215.2 | 6719.7 | 4215.2 | 772.9 | 0.0 | 2638.4 | 1702.2 | 638.3 | |
| Nov-89 | 4766.4 | 7588.3 | 4766.4 | 789.3 | 0.0 | 2696.9 | 1739.9 | 652.5 | |
| Dec-89 | 8765.6 | 13955.3 | 8765.6 | 857.2 | 0.0 | 2927.9 | 1889.0 | 708.4 | |

| Oakwood Beach Total Nitrogen Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 3293.4 | 4999.8 | 3293.4 | 3293.4 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 3120.1 | 4738.6 | 3120.1 | 3120.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 3494.2 | 5309.9 | 3494.2 | 3494.2 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 4813.4 | 7310.7 | 4813.4 | 4813.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 3713.8 | 5641.9 | 3713.8 | 3713.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 6201.5 | 9417.0 | 6201.5 | 6201.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 6320.8 | 9593.9 | 6320.8 | 6320.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 5586.4 | 8463.7 | 5586.4 | 5586.4 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 7213.8 | 10946.6 | 7213.8 | 7213.8 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 2888.5 | 4385.7 | 2888.5 | 2888.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 3201.6 | 4860.3 | 3201.6 | 3201.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 3886.2 | 5903.7 | 3886.2 | 3886.2 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 3297.8 | 5006.5 | 3297.8 | 3297.8 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 3120.1 | 4738.6 | 3120.1 | 3120.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 3494.2 | 5309.9 | 3494.2 | 3494.2 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 4813.4 | 7310.7 | 4813.4 | 4813.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 3713.8 | 5641.9 | 3713.8 | 3713.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 6201.5 | 9417.0 | 6201.5 | 6201.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 6320.8 | 9593.9 | 6320.8 | 6320.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 5586.4 | 8463.7 | 5586.4 | 5586.4 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 7213.8 | 10946.6 | 7213.8 | 7213.8 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 2888.5 | 4385.7 | 2888.5 | 2888.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 3201.6 | 4860.3 | 3201.6 | 3201.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 3886.2 | 5903.7 | 3886.2 | 3886.2 | 0.0 | N/A | N/A | N/A | N/A |

| Oakwood Beach Total Organic Carbon Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 2803.2 | 4253.2 | 2803.2 | 2803.2 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 3058.7 | 4646.0 | 3058.7 | 3058.7 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 3068.8 | 4657.0 | 3068.8 | 3068.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 3112.0 | 4724.1 | 3112.0 | 3112.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 3015.5 | 4579.0 | 3015.5 | 3015.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 3010.2 | 4568.9 | 3010.2 | 3010.2 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 2623.1 | 3978.5 | 2623.1 | 2623.1 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 2623.1 | 3978.5 | 2623.1 | 2623.1 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 2129.7 | 3233.3 | 2129.7 | 2129.7 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 2054.3 | 3116.9 | 2054.3 | 2054.3 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 2555.6 | 3881.9 | 2555.6 | 2555.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 2404.4 | 3658.4 | 2404.4 | 2404.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 2806.9 | 4258.9 | 2806.9 | 2806.9 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 3058.7 | 4646.0 | 3058.7 | 3058.7 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 3068.8 | 4657.0 | 3068.8 | 3068.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 3112.0 | 4724.1 | 3112.0 | 3112.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 3015.5 | 4579.0 | 3015.5 | 3015.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 3010.2 | 4568.9 | 3010.2 | 3010.2 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 2623.1 | 3978.5 | 2623.1 | 2623.1 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 2623.1 | 3978.5 | 2623.1 | 2623.1 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 2129.7 | 3233.3 | 2129.7 | 2129.7 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 2054.3 | 3116.9 | 2054.3 | 2054.3 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 2555.6 | 3881.9 | 2555.6 | 2555.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 2404.4 | 3658.4 | 2404.4 | 2404.4 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Middlesex County Total Nitrogen Load (lb/d) | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 20.0 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) |
| Jan-88 | 30722.2 | 42001.2 | 30722.2 | 4112.4 | 0.0 | 20573.2 | 11315.3 | 4114.6 |
| Feb-88 | 37482.7 | 51128.4 | 37482.7 | 3908.4 | 0.0 | 19532.5 | 10742.9 | 3906.5 |
| Mar-88 | 32713.5 | 44691.5 | 32713.5 | 4011.6 | 0.0 | 20050.0 | 11027.5 | 4010.0 |
| Apr-88 | 29056.2 | 39715.1 | 29056.2 | 3440.8 | 0.0 | 17211.9 | 9466.6 | 3442.4 |
| May-88 | 27064.7 | 36993.0 | 27064.7 | 3387.8 | 0.0 | 16928.1 | 9310.5 | 3385.6 |
| Jun-88 | 29545.9 | 40394.6 | 29545.9 | 3275.8 | 0.0 | 16377.2 | 9007.5 | 3275.4 |
| Jul-88 | 26675.1 | 36459.2 | 26675.1 | 3558.6 | 0.0 | 17796.2 | 9787.9 | 3559.2 |
| Aug-88 | 27937.7 | 38206.1 | 27937.7 | 3246.2 | 0.0 | 16227.0 | 8924.8 | 3245.4 |
| Sep-88 | 27992.0 | 38263.6 | 27992.0 | 3383.4 | 0.0 | 16928.1 | 9310.5 | 3385.6 |
| Oct-88 | 32713.5 | 44691.5 | 32713.5 | 3324.7 | 0.0 | 16627.6 | 9145.2 | 3325.5 |
| Nov-88 | 32762.0 | 44784.3 | 32762.0 | 3602.2 | 0.0 | 18013.3 | 9907.3 | 3602.7 |
| Dec-88 | 35435.5 | 48432.7 | 35435.5 | 3830.8 | 0.0 | 19165.2 | 10540.9 | 3833.0 |
| Jan-89 | 30763.5 | 42057.7 | 30763.5 | 4118.0 | 0.0 | 20600.9 | 11330.5 | 4120.2 |
| Feb-89 | 37482.7 | 51128.5 | 37482.7 | 3908.4 | 0.0 | 19532.5 | 10742.9 | 3906.5 |
| Mar-89 | 32713.5 | 44691.5 | 32713.5 | 4011.6 | 0.0 | 20050.0 | 11027.5 | 4010.0 |
| Apr-89 | 29056.2 | 39715.1 | 29056.2 | 3440.8 | 0.0 | 17211.9 | 9466.6 | 3442.4 |
| May-89 | 27064.7 | 36993.0 | 27064.7 | 3387.8 | 0.0 | 16928.1 | 9310.5 | 3385.6 |
| Jun-89 | 29545.9 | 40394.6 | 29545.9 | 3275.8 | 0.0 | 16377.2 | 9007.5 | 3275.4 |
| Jul-89 | 26675.1 | 36459.2 | 26675.1 | 3558.6 | 0.0 | 17796.2 | 9787.9 | 3559.2 |
| Aug-89 | 27937.7 | 38206.1 | 27937.7 | 3246.2 | 0.0 | 16227.0 | 8924.8 | 3245.4 |
| Sep-89 | 27992.0 | 38263.6 | 27992.0 | 3383.4 | 0.0 | 16928.1 | 9310.5 | 3385.6 |
| Oct-89 | 32713.5 | 44691.5 | 32713.5 | 3324.7 | 0.0 | 16627.6 | 9145.2 | 3325.5 |
| Nov-89 | 32762.0 | 44784.3 | 32762.0 | 3602.2 | 0.0 | 18013.3 | 9907.3 | 3602.7 |
| Dec-89 | 35435.5 | 48432.7 | 35435.5 | 3830.8 | 0.0 | 19165.2 | 10540.9 | 3833.0 |

| Middlesex County Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|---|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 38181.2 | 52170.5 | 38181.2 | 3602.8 | 0.0 | 12915.2 | 7947.8 | 2980.4 | |
| Feb-88 | 33818.9 | 46195.7 | 33818.9 | 3429.5 | 0.0 | 12269.1 | 7550.2 | 2831.3 | |
| Mar-88 | 44661.3 | 61068.1 | 44661.3 | 3516.4 | 0.0 | 12590.0 | 7747.7 | 2905.4 | |
| Apr-88 | 51134.0 | 69886.5 | 51134.0 | 3017.2 | 0.0 | 10814.7 | 6655.2 | 2495.7 | |
| May-88 | 29268.6 | 39969.8 | 29268.6 | 2969.6 | 0.0 | 10621.0 | 6536.0 | 2451.0 | |
| Jun-88 | 22306.4 | 30463.5 | 22306.4 | 2873.1 | 0.0 | 10279.0 | 6325.5 | 2372.1 | |
| Jul-88 | 28682.1 | 39233.5 | 28682.1 | 3127.0 | 0.0 | 11186.9 | 6884.3 | 2581.6 | |
| Aug-88 | 24109.8 | 32910.6 | 24109.8 | 2844.4 | 0.0 | 10183.3 | 6266.7 | 2350.0 | |
| Sep-88 | 31376.2 | 42888.7 | 31376.2 | 2969.6 | 0.0 | 10628.8 | 6540.8 | 2452.8 | |
| Oct-88 | 18496.8 | 25278.2 | 18496.8 | 2916.7 | 0.0 | 10447.9 | 6429.5 | 2411.1 | |
| Nov-88 | 26768.5 | 36601.1 | 26768.5 | 3156.6 | 0.0 | 11304.8 | 6956.8 | 2608.8 | |
| Dec-88 | 56967.5 | 77911.4 | 56967.5 | 3356.8 | 0.0 | 12031.6 | 7404.1 | 2776.5 | |
| Jan-89 | 38232.6 | 52240.7 | 38232.6 | 3607.6 | 0.0 | 12932.6 | 7958.5 | 2984.4 | |
| Feb-89 | 33818.9 | 46195.7 | 33818.9 | 3429.5 | 0.0 | 12269.1 | 7550.2 | 2831.3 | |
| Mar-89 | 44661.3 | 61068.1 | 44661.3 | 3516.4 | 0.0 | 12590.0 | 7747.7 | 2905.4 | |
| Apr-89 | 51134.0 | 69886.5 | 51134.0 | 3017.2 | 0.0 | 10814.7 | 6655.2 | 2495.7 | |
| May-89 | 29268.6 | 39969.8 | 29268.6 | 2969.6 | 0.0 | 10621.0 | 6536.0 | 2451.0 | |
| Jun-89 | 22306.4 | 30463.5 | 22306.4 | 2873.1 | 0.0 | 10279.0 | 6325.5 | 2372.1 | |
| Jul-89 | 28682.1 | 39233.5 | 28682.1 | 3127.0 | 0.0 | 11186.9 | 6884.3 | 2581.6 | |
| Aug-89 | 24109.8 | 32910.6 | 24109.8 | 2844.4 | 0.0 | 10183.3 | 6266.7 | 2350.0 | |
| Sep-89 | 31376.2 | 42888.7 | 31376.2 | 2969.6 | 0.0 | 10628.8 | 6540.8 | 2452.8 | |
| Oct-89 | 18496.8 | 25278.2 | 18496.8 | 2916.7 | 0.0 | 10447.9 | 6429.5 | 2411.1 | |
| Nov-89 | 26768.5 | 36601.1 | 26768.5 | 3156.6 | 0.0 | 11304.8 | 6956.8 | 2608.8 | |
| Dec-89 | 56967.5 | 77911.4 | 56967.5 | 3356.8 | 0.0 | 12031.6 | 7404.1 | 2776.5 | |

| Month | North River Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 25744.9 | 28102.4 | 25744.9 | 15696.9 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 20754.3 | 22648.9 | 20754.3 | 15610.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 19195.7 | 20917.9 | 19195.7 | 14906.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 22412.2 | 24413.6 | 22412.2 | 14629.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 22731.4 | 24766.7 | 22731.4 | 14704.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 23351.4 | 25467.8 | 23351.4 | 15218.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 26255.8 | 28609.5 | 26255.8 | 16220.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 26010.1 | 28320.6 | 26010.1 | 16005.6 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 26362.9 | 28713.0 | 26362.9 | 16242.3 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 26167.6 | 28554.3 | 26167.6 | 15823.9 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 29669.8 | 32359.5 | 29669.8 | 16751.2 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 21655.5 | 23579.8 | 21655.5 | 15545.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 25779.6 | 28140.2 | 25779.6 | 15718.1 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 20754.3 | 22649.0 | 20754.3 | 15610.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 19195.7 | 20917.9 | 19195.7 | 14906.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 22412.2 | 24413.6 | 22412.2 | 14629.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 22731.4 | 24766.7 | 22731.4 | 14704.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 23351.4 | 25467.8 | 23351.4 | 15218.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 26255.8 | 28609.5 | 26255.8 | 16220.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 26010.1 | 28320.6 | 26010.1 | 16005.6 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 26362.9 | 28713.0 | 26362.9 | 16242.3 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 26167.6 | 28554.3 | 26167.6 | 15823.9 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 29669.8 | 32359.5 | 29669.8 | 16751.2 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 21655.5 | 23579.8 | 21655.5 | 15545.7 | 0.0 | N/A | N/A | N/A | N/A |

| Month | North River Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 23469.7 | 25574.5 | 23469.7 | 18291.4 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 20009.2 | 21847.8 | 20009.2 | 18170.5 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 19136.1 | 20851.3 | 19136.1 | 17390.1 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 18730.5 | 20450.1 | 18730.5 | 17019.7 | 0.0 | N/A | N/A | N/A | |
| May-88 | 18845.1 | 20551.5 | 18845.1 | 17125.5 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 21155.6 | 23042.7 | 21155.6 | 17698.7 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 22544.5 | 24572.7 | 22544.5 | 18845.1 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 20538.3 | 22399.0 | 20538.3 | 18651.1 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 25988.1 | 28329.4 | 25988.1 | 18853.9 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 21997.7 | 24003.9 | 21997.7 | 18413.0 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 26768.5 | 29171.6 | 26768.5 | 19453.6 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 33139.9 | 36129.4 | 33139.9 | 18047.0 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 23501.3 | 25608.9 | 23501.3 | 18316.0 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 20009.2 | 21847.8 | 20009.2 | 18170.5 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 19136.1 | 20851.3 | 19136.1 | 17390.1 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 18730.5 | 20450.1 | 18730.5 | 17019.7 | 0.0 | N/A | N/A | N/A | |
| May-89 | 18845.1 | 20551.5 | 18845.1 | 17125.5 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 21155.6 | 23042.7 | 21155.6 | 17698.7 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 22544.5 | 24572.7 | 22544.5 | 18845.1 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 20538.3 | 22399.0 | 20538.3 | 18651.1 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 25988.1 | 28329.4 | 25988.1 | 18853.9 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 21997.7 | 24003.9 | 21997.7 | 18413.0 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 26768.5 | 29171.6 | 26768.5 | 19453.6 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 33139.9 | 36129.4 | 33139.9 | 18047.0 | 0.0 | N/A | N/A | N/A | |

| Month | Owls Head Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 21242.0 | 20542.0 | 14776.7 | 12007.4 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 17361.5 | 16775.8 | 15395.0 | 12524.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 19054.1 | 18413.0 | 16509.5 | 11906.3 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 16117.6 | 15587.6 | 15986.6 | 12339.3 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 15635.6 | 15099.4 | 15005.9 | 12212.3 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 16163.4 | 15612.7 | 14920.0 | 12416.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 21472.2 | 20768.4 | 13188.5 | 12937.2 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 15861.3 | 15345.0 | 12690.3 | 12529.3 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 16023.2 | 15495.0 | 13899.8 | 12725.4 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 16579.6 | 16040.4 | 15381.2 | 12332.2 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 20607.1 | 19921.4 | 14916.5 | 12633.4 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 25854.1 | 24990.3 | 14995.8 | 12618.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 21270.6 | 20569.6 | 14796.6 | 12023.6 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 17361.4 | 16775.9 | 15394.9 | 12524.0 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 19054.1 | 18413.0 | 16509.5 | 11906.3 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 16117.6 | 15587.6 | 15986.6 | 12339.3 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 15635.6 | 15099.4 | 15005.9 | 12212.3 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 16163.4 | 15612.7 | 14920.0 | 12416.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 21472.2 | 20768.4 | 13188.5 | 12937.2 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 15861.3 | 15345.0 | 12690.3 | 12529.3 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 16023.2 | 15495.0 | 13899.8 | 12725.4 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 16579.6 | 16040.4 | 15381.2 | 12332.2 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 20607.1 | 19921.4 | 14916.5 | 12633.4 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 25854.1 | 24990.3 | 14995.8 | 12618.8 | 0.0 | N/A | N/A | N/A | N/A |

| Owls Head Total Organic Carbon Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 21263.7 | 20563.4 | 13835.2 | 13835.2 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 23902.5 | 23122.1 | 12165.1 | 12165.1 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 19502.1 | 18831.9 | 14872.4 | 14162.5 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 18448.3 | 17879.5 | 23082.4 | 14687.2 | 0.0 | N/A | N/A | N/A | |
| May-88 | 19978.3 | 19299.3 | 10498.4 | 10498.4 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 18598.2 | 18029.4 | 13439.4 | 13439.4 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 19365.4 | 18695.2 | 18448.3 | 15370.6 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 13655.4 | 13205.7 | 11543.4 | 11543.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 13875.9 | 13417.3 | 19510.9 | 15128.1 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 23514.5 | 22742.9 | 19956.2 | 14678.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 48104.9 | 46473.5 | 23064.8 | 15000.3 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 25825.0 | 24974.0 | 39864.0 | 15000.3 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 21292.2 | 20591.2 | 13853.9 | 13853.9 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 23902.5 | 23122.1 | 12165.1 | 12165.1 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 19502.1 | 18831.9 | 14872.4 | 14162.5 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 18448.3 | 17879.5 | 23082.4 | 14687.2 | 0.0 | N/A | N/A | N/A | |
| May-89 | 19978.3 | 19299.3 | 10498.4 | 10498.4 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 18598.2 | 18029.4 | 13439.4 | 13439.4 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 19365.4 | 18695.2 | 18448.3 | 15370.6 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 13655.4 | 13205.7 | 11543.4 | 11543.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 13875.9 | 13417.3 | 19510.9 | 15128.1 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 23514.5 | 22742.9 | 19956.2 | 14678.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 48104.9 | 46473.5 | 23064.8 | 15000.3 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 25825.0 | 24974.0 | 39864.0 | 15000.3 | 0.0 | N/A | N/A | N/A | |

| Yonkers Total Nitrogen Load (lb/d) | | | | | | | | | |
|---------------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 10816.3 | 17175.2 | 10816.3 | 10816.3 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 11187.6 | 17742.8 | 11187.6 | 11187.6 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 10968.0 | 17407.7 | 10968.0 | 10968.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 10443.0 | 16558.5 | 10443.0 | 10443.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 9096.4 | 14449.5 | 9096.4 | 9096.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 13330.5 | 21151.2 | 13330.5 | 13330.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 13148.4 | 20895.0 | 13148.4 | 13148.4 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 10068.0 | 16004.3 | 10068.0 | 10068.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 13060.6 | 20742.9 | 13060.6 | 13060.6 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 11543.0 | 18338.1 | 11543.0 | 11543.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 13606.5 | 21621.2 | 13606.5 | 13606.5 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 8726.0 | 13832.7 | 8726.0 | 8726.0 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 10830.9 | 17198.3 | 10830.9 | 10830.9 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 11187.6 | 17742.8 | 11187.6 | 11187.6 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 10968.0 | 17407.7 | 10968.0 | 10968.0 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 10443.0 | 16558.5 | 10443.0 | 10443.0 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 9096.4 | 14449.5 | 9096.4 | 9096.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 13330.5 | 21151.2 | 13330.5 | 13330.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 13148.4 | 20895.0 | 13148.4 | 13148.4 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 10068.0 | 16004.3 | 10068.0 | 10068.0 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 13060.6 | 20742.9 | 13060.6 | 13060.6 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 11543.0 | 18338.1 | 11543.0 | 11543.0 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 13606.5 | 21621.2 | 13606.5 | 13606.5 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 8726.0 | 13832.7 | 8726.0 | 8726.0 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Yonkers Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 18921.1 | 30048.3 | 18921.1 | 11483.9 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 15860.1 | 25185.6 | 15860.1 | 10494.0 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 13505.5 | 21468.6 | 13505.5 | 10921.7 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 15022.3 | 23818.7 | 15022.3 | 10926.1 | 0.0 | N/A | N/A | N/A | |
| May-88 | 11997.6 | 19039.1 | 11997.6 | 10926.1 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 11860.9 | 18814.3 | 11860.9 | 10785.0 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 10225.0 | 16226.0 | 10225.0 | 10225.0 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 4382.8 | 6962.2 | 4382.8 | 4382.8 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 6080.3 | 9651.8 | 6080.3 | 6080.3 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 4263.7 | 6768.2 | 4263.7 | 4263.7 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 9003.7 | 14312.4 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 12328.3 | 19581.5 | 12328.3 | 11212.7 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 18946.5 | 30088.7 | 18946.5 | 11499.3 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 15860.1 | 25185.6 | 15860.1 | 10494.0 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 13505.5 | 21468.6 | 13505.5 | 10921.7 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 15022.3 | 23818.7 | 15022.3 | 10926.1 | 0.0 | N/A | N/A | N/A | |
| May-89 | 11997.6 | 19039.1 | 11997.6 | 10926.1 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 11860.9 | 18814.3 | 11860.9 | 10785.0 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 10225.0 | 16226.0 | 10225.0 | 10225.0 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 4382.8 | 6962.2 | 4382.8 | 4382.8 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 6080.3 | 9651.8 | 6080.3 | 6080.3 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 4263.7 | 6768.2 | 4263.7 | 4263.7 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 9003.7 | 14312.4 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 12328.3 | 19581.5 | 12328.3 | 11212.7 | 0.0 | N/A | N/A | N/A | |

| Month | North Bergen Woodcliff Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 24.5 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 337.2 | 392.4 | 337.2 | 337.2 | 0.0 | 551.4 | 247.6 | 90.0 | |
| Feb-88 | 365.2 | 425.2 | 365.2 | 365.2 | 0.0 | 552.2 | 247.9 | 90.2 | |
| Mar-88 | 349.5 | 407.0 | 349.5 | 349.5 | 0.0 | 511.3 | 229.5 | 83.5 | |
| Apr-88 | 322.4 | 375.2 | 322.4 | 322.4 | 0.0 | 490.8 | 220.4 | 80.1 | |
| May-88 | 347.8 | 404.7 | 347.8 | 347.8 | 0.0 | 531.7 | 238.7 | 86.8 | |
| Jun-88 | 405.6 | 472.5 | 405.6 | 405.6 | 0.0 | 531.7 | 238.7 | 86.8 | |
| Jul-88 | 360.5 | 419.8 | 360.5 | 360.5 | 0.0 | 511.3 | 229.5 | 83.5 | |
| Aug-88 | 321.2 | 373.7 | 321.2 | 321.2 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Sep-88 | 316.8 | 368.5 | 316.8 | 316.8 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Oct-88 | 338.5 | 393.8 | 338.5 | 338.5 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Nov-88 | 348.9 | 406.3 | 348.9 | 348.9 | 0.0 | 490.8 | 220.4 | 80.1 | |
| Dec-88 | 388.9 | 452.8 | 388.9 | 388.9 | 0.0 | 552.2 | 247.9 | 90.1 | |
| Jan-89 | 337.7 | 393.0 | 337.7 | 337.7 | 0.0 | 552.2 | 247.9 | 90.1 | |
| Feb-89 | 365.2 | 425.2 | 365.2 | 365.2 | 0.0 | 552.2 | 247.9 | 90.1 | |
| Mar-89 | 349.5 | 407.0 | 349.5 | 349.5 | 0.0 | 511.3 | 229.5 | 83.5 | |
| Apr-89 | 322.4 | 375.2 | 322.4 | 322.4 | 0.0 | 490.8 | 220.4 | 80.1 | |
| May-89 | 347.8 | 404.7 | 347.8 | 347.8 | 0.0 | 531.7 | 238.7 | 86.8 | |
| Jun-89 | 405.6 | 472.5 | 405.6 | 405.6 | 0.0 | 531.7 | 238.7 | 86.8 | |
| Jul-89 | 360.5 | 419.8 | 360.5 | 360.5 | 0.0 | 511.3 | 229.5 | 83.5 | |
| Aug-89 | 321.2 | 373.7 | 321.2 | 321.2 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Sep-89 | 316.8 | 368.5 | 316.8 | 316.8 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Oct-89 | 338.5 | 393.8 | 338.5 | 338.5 | 0.0 | 470.4 | 211.2 | 76.8 | |
| Nov-89 | 348.9 | 406.3 | 348.9 | 348.9 | 0.0 | 490.8 | 220.4 | 80.1 | |
| Dec-89 | 388.9 | 452.8 | 388.9 | 388.9 | 0.0 | 552.2 | 247.9 | 90.1 | |

| North Bergen Woodcliff Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 758.3 | 882.9 | 758.3 | 182.9 | 0.0 | 327.6 | 201.6 | 75.6 | |
| Feb-88 | 1131.4 | 1317.0 | 1131.4 | 183.2 | 0.0 | 328.0 | 201.9 | 75.7 | |
| Mar-88 | 897.3 | 1044.1 | 897.3 | 169.7 | 0.0 | 303.8 | 187.0 | 70.1 | |
| Apr-88 | 807.3 | 939.2 | 807.3 | 163.0 | 0.0 | 291.7 | 179.5 | 67.3 | |
| May-88 | 697.1 | 811.3 | 697.1 | 176.5 | 0.0 | 316.0 | 194.5 | 72.9 | |
| Jun-88 | 589.1 | 685.2 | 589.1 | 176.3 | 0.0 | 315.9 | 194.4 | 72.9 | |
| Jul-88 | 506.2 | 589.1 | 506.2 | 169.5 | 0.0 | 303.6 | 186.9 | 70.1 | |
| Aug-88 | 557.3 | 649.0 | 557.3 | 156.1 | 0.0 | 279.5 | 172.0 | 64.5 | |
| Sep-88 | 447.5 | 520.7 | 447.5 | 156.0 | 0.0 | 279.2 | 171.8 | 64.4 | |
| Oct-88 | 596.1 | 694.0 | 596.1 | 156.2 | 0.0 | 279.6 | 172.0 | 64.5 | |
| Nov-88 | 875.2 | 1019.0 | 875.2 | 162.8 | 0.0 | 291.5 | 179.4 | 67.3 | |
| Dec-88 | 694.0 | 807.8 | 694.0 | 183.2 | 0.0 | 328.1 | 201.9 | 75.7 | |
| Jan-89 | 759.3 | 884.1 | 759.3 | 183.2 | 0.0 | 328.1 | 201.9 | 75.7 | |
| Feb-89 | 1131.4 | 1317.0 | 1131.4 | 183.2 | 0.0 | 328.0 | 201.9 | 75.7 | |
| Mar-89 | 897.3 | 1044.1 | 897.3 | 169.7 | 0.0 | 303.8 | 187.0 | 70.1 | |
| Apr-89 | 807.3 | 939.2 | 807.3 | 163.0 | 0.0 | 291.7 | 179.5 | 67.3 | |
| May-89 | 697.1 | 811.3 | 697.1 | 176.5 | 0.0 | 316.0 | 194.5 | 72.9 | |
| Jun-89 | 589.1 | 685.2 | 589.1 | 176.3 | 0.0 | 315.9 | 194.4 | 72.9 | |
| Jul-89 | 506.2 | 589.1 | 506.2 | 169.5 | 0.0 | 303.6 | 186.9 | 70.1 | |
| Aug-89 | 557.3 | 649.0 | 557.3 | 156.1 | 0.0 | 279.5 | 172.0 | 64.5 | |
| Sep-89 | 447.5 | 520.7 | 447.5 | 156.0 | 0.0 | 279.2 | 171.8 | 64.4 | |
| Oct-89 | 596.1 | 694.0 | 596.1 | 156.2 | 0.0 | 279.6 | 172.0 | 64.5 | |
| Nov-89 | 875.2 | 1019.0 | 875.2 | 162.8 | 0.0 | 291.5 | 179.4 | 67.3 | |
| Dec-89 | 694.0 | 807.8 | 694.0 | 183.2 | 0.0 | 328.1 | 201.9 | 75.7 | |

| Month | Hoboken Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---------------------------------------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 26.0 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 1100.1 | 2119.2 | 1100.1 | 1100.1 | 0.0 | 2579.2 | 1091.2 | 396.8 | |
| Feb-88 | 1273.7 | 2449.4 | 1273.7 | 1273.7 | 0.0 | 2409.0 | 1019.2 | 370.6 | |
| Mar-88 | 533.5 | 1025.9 | 533.5 | 533.5 | 0.0 | 2278.8 | 964.1 | 350.6 | |
| Apr-88 | 1118.3 | 2150.2 | 1118.3 | 1118.3 | 0.0 | 2257.1 | 954.9 | 347.2 | |
| May-88 | 1621.0 | 3118.7 | 1621.0 | 1621.0 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Jun-88 | 3049.4 | 5851.5 | 3049.4 | 2344.0 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Jul-88 | 2101.6 | 4044.6 | 2101.6 | 2101.6 | 0.0 | 2474.1 | 1046.7 | 380.6 | |
| Aug-88 | 2755.3 | 5303.9 | 2755.3 | 2146.8 | 0.0 | 2148.6 | 909.0 | 330.5 | |
| Sep-88 | 2244.0 | 4319.3 | 2244.0 | 2128.1 | 0.0 | 2126.9 | 899.8 | 327.2 | |
| Oct-88 | 3056.0 | 5885.0 | 3056.0 | 2364.6 | 0.0 | 2365.6 | 1000.8 | 363.9 | |
| Nov-88 | 1974.9 | 3797.7 | 1974.9 | 1974.9 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Dec-88 | 1414.7 | 2720.7 | 1414.7 | 1414.7 | 0.0 | 2474.1 | 1046.7 | 380.6 | |
| Jan-89 | 1101.6 | 2122.0 | 1101.6 | 1101.6 | 0.0 | 2582.6 | 1092.6 | 397.3 | |
| Feb-89 | 1273.7 | 2449.4 | 1273.7 | 1273.7 | 0.0 | 2409.0 | 1019.2 | 370.6 | |
| Mar-89 | 533.5 | 1025.9 | 533.5 | 533.5 | 0.0 | 2278.8 | 964.1 | 350.6 | |
| Apr-89 | 1118.3 | 2150.2 | 1118.3 | 1118.3 | 0.0 | 2257.1 | 954.9 | 347.2 | |
| May-89 | 1621.0 | 3118.7 | 1621.0 | 1621.0 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Jun-89 | 3049.4 | 5851.5 | 3049.4 | 2344.0 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Jul-89 | 2101.6 | 4044.6 | 2101.6 | 2101.6 | 0.0 | 2474.1 | 1046.7 | 380.6 | |
| Aug-89 | 2755.3 | 5303.9 | 2755.3 | 2146.8 | 0.0 | 2148.6 | 909.0 | 330.5 | |
| Sep-89 | 2244.0 | 4319.3 | 2244.0 | 2128.1 | 0.0 | 2126.9 | 899.8 | 327.2 | |
| Oct-89 | 3056.0 | 5885.0 | 3056.0 | 2364.6 | 0.0 | 2365.6 | 1000.8 | 363.9 | |
| Nov-89 | 1974.9 | 3797.7 | 1974.9 | 1974.9 | 0.0 | 2343.9 | 991.6 | 360.6 | |
| Dec-89 | 1414.7 | 2720.7 | 1414.7 | 1414.7 | 0.0 | 2474.1 | 1046.7 | 380.6 | |

| Hoboken | | | | | | | | | |
|----------------------------------|----------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---|--------------------------------------|--|
| Total Organic Carbon Load (lb/d) | | | | | | | | | |
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 16 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 1887.3 | 3633.2 | 1887.3 | 712.0 | 0.0 | 3139.0 | 784.7 | 294.3 | |
| Feb-88 | 1923.8 | 3700.7 | 1923.8 | 664.0 | 0.0 | 2929.1 | 732.3 | 274.6 | |
| Mar-88 | 1038.8 | 2000.5 | 1038.8 | 629.2 | 0.0 | 2773.5 | 693.4 | 260.0 | |
| Apr-88 | 1305.1 | 2507.1 | 1305.1 | 624.3 | 0.0 | 2750.6 | 687.7 | 257.9 | |
| May-88 | 1868.2 | 3599.7 | 1868.2 | 647.7 | 0.0 | 2855.1 | 713.8 | 267.7 | |
| Jun-88 | 2137.6 | 4108.5 | 2137.6 | 646.4 | 0.0 | 2851.1 | 712.8 | 267.3 | |
| Jul-88 | 1690.9 | 3255.8 | 1690.9 | 683.0 | 0.0 | 3012.2 | 753.0 | 282.4 | |
| Aug-88 | 1467.4 | 2825.4 | 1467.4 | 593.9 | 0.0 | 2617.3 | 654.3 | 245.4 | |
| Sep-88 | 1814.8 | 3497.4 | 1814.8 | 587.3 | 0.0 | 2588.6 | 647.2 | 242.7 | |
| Oct-88 | 1614.2 | 3105.9 | 1614.2 | 653.0 | 0.0 | 2878.6 | 719.6 | 269.9 | |
| Nov-88 | 1429.9 | 2748.7 | 1429.9 | 647.3 | 0.0 | 2855.6 | 713.9 | 267.7 | |
| Dec-88 | 1989.0 | 3831.6 | 1989.0 | 683.0 | 0.0 | 3010.6 | 752.7 | 282.2 | |
| Jan-89 | 1889.8 | 3638.1 | 1889.8 | 713.0 | 0.0 | 3143.2 | 785.8 | 294.7 | |
| Feb-89 | 1923.8 | 3700.7 | 1923.8 | 664.0 | 0.0 | 2929.1 | 732.3 | 274.6 | |
| Mar-89 | 1038.8 | 2000.5 | 1038.8 | 629.2 | 0.0 | 2773.5 | 693.4 | 260.0 | |
| Apr-89 | 1305.1 | 2507.1 | 1305.1 | 624.3 | 0.0 | 2750.6 | 687.7 | 257.9 | |
| May-89 | 1868.2 | 3599.7 | 1868.2 | 647.7 | 0.0 | 2855.1 | 713.8 | 267.7 | |
| Jun-89 | 2137.6 | 4108.5 | 2137.6 | 646.4 | 0.0 | 2851.1 | 712.8 | 267.3 | |
| Jul-89 | 1690.9 | 3255.8 | 1690.9 | 683.0 | 0.0 | 3012.2 | 753.0 | 282.4 | |
| Aug-89 | 1467.4 | 2825.4 | 1467.4 | 593.9 | 0.0 | 2617.3 | 654.3 | 245.4 | |
| Sep-89 | 1814.8 | 3497.4 | 1814.8 | 587.3 | 0.0 | 2588.6 | 647.2 | 242.7 | |
| Oct-89 | 1614.2 | 3105.9 | 1614.2 | 653.0 | 0.0 | 2878.6 | 719.6 | 269.9 | |
| Nov-89 | 1429.9 | 2748.7 | 1429.9 | 647.3 | 0.0 | 2855.6 | 713.9 | 267.7 | |
| Dec-89 | 1989.0 | 3831.6 | 1989.0 | 683.0 | 0.0 | 3010.6 | 752.7 | 282.2 | |

| Month | West New York Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 24.5 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 1080.0 | 1202.9 | 1080.0 | 1080.0 | 0.0 | 2124.0 | 953.6 | 346.8 | |
| Feb-88 | 1043.1 | 1160.5 | 1043.1 | 1043.1 | 0.0 | 2106.4 | 945.7 | 343.9 | |
| Mar-88 | 937.4 | 1042.5 | 937.4 | 937.4 | 0.0 | 1922.4 | 863.1 | 313.9 | |
| Apr-88 | 938.4 | 1042.0 | 938.4 | 938.4 | 0.0 | 1861.0 | 835.6 | 303.8 | |
| May-88 | 956.1 | 1063.2 | 956.1 | 956.1 | 0.0 | 1840.6 | 826.4 | 300.5 | |
| Jun-88 | 1164.6 | 1297.5 | 1164.6 | 1164.6 | 0.0 | 1820.1 | 817.2 | 297.2 | |
| Jul-88 | 1316.6 | 1462.3 | 1316.6 | 1316.6 | 0.0 | 1697.4 | 762.1 | 277.1 | |
| Aug-88 | 897.9 | 996.4 | 897.9 | 897.9 | 0.0 | 1390.6 | 624.4 | 227.0 | |
| Sep-88 | 700.3 | 780.8 | 700.3 | 700.3 | 0.0 | 1349.7 | 606.0 | 220.4 | |
| Oct-88 | 1140.3 | 1268.8 | 1140.3 | 1140.3 | 0.0 | 1901.9 | 853.9 | 310.5 | |
| Nov-88 | 1198.9 | 1333.4 | 1198.9 | 1198.9 | 0.0 | 1983.7 | 890.6 | 323.9 | |
| Dec-88 | 1241.2 | 1382.0 | 1241.2 | 1241.2 | 0.0 | 2065.5 | 927.4 | 337.2 | |
| Jan-89 | 1081.5 | 1204.6 | 1081.5 | 1081.5 | 0.0 | 2126.9 | 954.9 | 347.2 | |
| Feb-89 | 1043.1 | 1160.5 | 1043.1 | 1043.1 | 0.0 | 2106.4 | 945.7 | 343.9 | |
| Mar-89 | 937.4 | 1042.5 | 937.4 | 937.4 | 0.0 | 1922.4 | 863.1 | 313.9 | |
| Apr-89 | 938.4 | 1042.0 | 938.4 | 938.4 | 0.0 | 1861.0 | 835.6 | 303.8 | |
| May-89 | 956.1 | 1063.2 | 956.1 | 956.1 | 0.0 | 1840.6 | 826.4 | 300.5 | |
| Jun-89 | 1164.6 | 1297.5 | 1164.6 | 1164.6 | 0.0 | 1820.1 | 817.2 | 297.2 | |
| Jul-89 | 1316.6 | 1462.3 | 1316.6 | 1316.6 | 0.0 | 1697.4 | 762.1 | 277.1 | |
| Aug-89 | 897.9 | 996.4 | 897.9 | 897.9 | 0.0 | 1390.6 | 624.4 | 227.0 | |
| Sep-89 | 700.3 | 780.8 | 700.3 | 700.3 | 0.0 | 1349.7 | 606.0 | 220.4 | |
| Oct-89 | 1140.3 | 1268.8 | 1140.3 | 1140.3 | 0.0 | 1901.9 | 853.9 | 310.5 | |
| Nov-89 | 1198.9 | 1333.4 | 1198.9 | 1198.9 | 0.0 | 1983.7 | 890.6 | 323.9 | |
| Dec-89 | 1241.2 | 1382.0 | 1241.2 | 1241.2 | 0.0 | 2065.5 | 927.4 | 337.2 | |

| Month | West New York Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 2374.3 | 2639.8 | 2374.3 | 695.3 | 0.0 | 1244.9 | 766.1 | 287.3 | |
| Feb-88 | 3038.4 | 3375.7 | 3038.4 | 689.6 | 0.0 | 1235.3 | 760.2 | 285.1 | |
| Mar-88 | 2603.7 | 2897.3 | 2603.7 | 629.6 | 0.0 | 1127.0 | 693.6 | 260.1 | |
| Apr-88 | 4334.3 | 4819.3 | 4334.3 | 609.4 | 0.0 | 1091.7 | 671.8 | 251.9 | |
| May-88 | 2581.6 | 2870.4 | 2581.6 | 603.2 | 0.0 | 1080.5 | 664.9 | 249.4 | |
| Jun-88 | 2158.3 | 2400.8 | 2158.3 | 596.6 | 0.0 | 1067.9 | 657.2 | 246.4 | |
| Jul-88 | 2453.3 | 2727.1 | 2453.3 | 555.1 | 0.0 | 995.1 | 612.4 | 229.6 | |
| Aug-88 | 1379.2 | 1531.3 | 1379.2 | 455.9 | 0.0 | 815.9 | 502.1 | 188.3 | |
| Sep-88 | 1355.4 | 1509.7 | 1355.4 | 442.7 | 0.0 | 792.1 | 487.4 | 182.8 | |
| Oct-88 | 3099.3 | 3450.7 | 3099.3 | 623.0 | 0.0 | 1115.6 | 686.5 | 257.5 | |
| Nov-88 | 2725.8 | 3029.2 | 2725.8 | 649.9 | 0.0 | 1163.5 | 716.0 | 268.5 | |
| Dec-88 | 2129.7 | 2370.9 | 2129.7 | 676.8 | 0.0 | 1212.3 | 746.0 | 279.8 | |
| Jan-89 | 2377.5 | 2643.3 | 2377.5 | 696.2 | 0.0 | 1246.5 | 767.1 | 287.7 | |
| Feb-89 | 3038.4 | 3375.7 | 3038.4 | 689.6 | 0.0 | 1235.3 | 760.2 | 285.1 | |
| Mar-89 | 2603.7 | 2897.3 | 2603.7 | 629.6 | 0.0 | 1127.0 | 693.6 | 260.1 | |
| Apr-89 | 4334.3 | 4819.3 | 4334.3 | 609.4 | 0.0 | 1091.7 | 671.8 | 251.9 | |
| May-89 | 2581.6 | 2870.4 | 2581.6 | 603.2 | 0.0 | 1080.5 | 664.9 | 249.4 | |
| Jun-89 | 2158.3 | 2400.8 | 2158.3 | 596.6 | 0.0 | 1067.9 | 657.2 | 246.4 | |
| Jul-89 | 2453.3 | 2727.1 | 2453.3 | 555.1 | 0.0 | 995.1 | 612.4 | 229.6 | |
| Aug-89 | 1379.2 | 1531.3 | 1379.2 | 455.9 | 0.0 | 815.9 | 502.1 | 188.3 | |
| Sep-89 | 1355.4 | 1509.7 | 1355.4 | 442.7 | 0.0 | 792.1 | 487.4 | 182.8 | |
| Oct-89 | 3099.3 | 3450.7 | 3099.3 | 623.0 | 0.0 | 1115.6 | 686.5 | 257.5 | |
| Nov-89 | 2725.8 | 3029.2 | 2725.8 | 649.9 | 0.0 | 1163.5 | 716.0 | 268.5 | |
| Dec-89 | 2129.7 | 2370.9 | 2129.7 | 676.8 | 0.0 | 1212.3 | 746.0 | 279.8 | |

| Passaic Valley Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 20.0 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 59057.3 | 74605.4 | 59651.8 | 47212.4 | 0.0 | 46181.4 | 25399.8 | 9236.3 | |
| Feb-88 | 78885.8 | 99560.8 | 79763.3 | 45962.0 | 0.0 | 44908.0 | 24699.4 | 8981.6 | |
| Mar-88 | 78819.7 | 99613.7 | 79379.7 | 46253.0 | 0.0 | 45241.9 | 24883.0 | 9048.4 | |
| Apr-88 | 63294.7 | 79891.1 | 63845.9 | 42125.9 | 0.0 | 41235.2 | 22679.4 | 8247.0 | |
| May-88 | 65159.8 | 82175.1 | 65724.2 | 44714.2 | 0.0 | 43739.4 | 24056.7 | 8747.9 | |
| Jun-88 | 53013.2 | 66826.5 | 53590.4 | 44215.9 | 0.0 | 43238.5 | 23781.2 | 8647.7 | |
| Jul-88 | 54145.5 | 68602.6 | 55157.0 | 45812.1 | 0.0 | 44741.0 | 24607.6 | 8948.2 | |
| Aug-88 | 65490.5 | 82545.5 | 66068.1 | 43797.0 | 0.0 | 42904.7 | 23597.6 | 8580.9 | |
| Sep-88 | 57256.7 | 72511.4 | 58268.6 | 41804.1 | 0.0 | 40901.3 | 22495.7 | 8180.3 | |
| Oct-88 | 70340.7 | 88983.0 | 70891.9 | 42769.7 | 0.0 | 41736.0 | 22954.8 | 8347.2 | |
| Nov-88 | 64639.5 | 81491.7 | 65181.9 | 44092.5 | 0.0 | 43071.6 | 23689.4 | 8614.3 | |
| Dec-88 | 58951.6 | 74516.3 | 59533.1 | 46416.1 | 0.0 | 45241.9 | 24883.0 | 9048.4 | |
| Jan-89 | 59136.8 | 74705.9 | 59732.1 | 47275.9 | 0.0 | 46243.5 | 25433.9 | 9248.7 | |
| Feb-89 | 78885.8 | 99560.8 | 79763.3 | 45962.0 | 0.0 | 44908.0 | 24699.4 | 8981.6 | |
| Mar-89 | 78819.7 | 99613.7 | 79379.7 | 46253.0 | 0.0 | 45241.9 | 24883.0 | 9048.4 | |
| Apr-89 | 63294.7 | 79891.1 | 63845.9 | 42125.9 | 0.0 | 41235.2 | 22679.4 | 8247.0 | |
| May-89 | 65159.8 | 82175.1 | 65724.2 | 44714.2 | 0.0 | 43739.4 | 24056.7 | 8747.9 | |
| Jun-89 | 53013.2 | 66826.5 | 53590.4 | 44215.9 | 0.0 | 43238.5 | 23781.2 | 8647.7 | |
| Jul-89 | 54145.5 | 68602.6 | 55157.0 | 45812.1 | 0.0 | 44741.0 | 24607.6 | 8948.2 | |
| Aug-89 | 65490.5 | 82545.5 | 66068.1 | 43797.0 | 0.0 | 42904.7 | 23597.6 | 8580.9 | |
| Sep-89 | 57256.7 | 72511.4 | 58268.6 | 41804.1 | 0.0 | 40901.3 | 22495.7 | 8180.3 | |
| Oct-89 | 70340.7 | 88983.0 | 70891.9 | 42769.7 | 0.0 | 41736.0 | 22954.8 | 8347.2 | |
| Nov-89 | 64639.5 | 81491.7 | 65181.9 | 44092.5 | 0.0 | 43071.6 | 23689.4 | 8614.3 | |
| Dec-89 | 58951.6 | 74516.3 | 59533.1 | 46416.1 | 0.0 | 45241.9 | 24883.0 | 9048.4 | |

| Month | Passaic Valley Total Organic Carbon Load (lb/d) | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) |
| Jan-88 | 94671.3 | 119726.2 | 97181.2 | 16124.9 | 0.0 | 28174.9 | 17338.4 | 6501.9 |
| Feb-88 | 96386.1 | 122003.8 | 99869.4 | 15683.7 | 0.0 | 27390.0 | 16855.4 | 6320.8 |
| Mar-88 | 106042.4 | 133997.0 | 108687.9 | 15749.8 | 0.0 | 27605.1 | 16987.7 | 6370.4 |
| Apr-88 | 116712.7 | 147665.6 | 119270.1 | 14352.1 | 0.0 | 25164.5 | 15485.8 | 5807.2 |
| May-88 | 93961.0 | 118829.2 | 96562.5 | 15256.0 | 0.0 | 26690.6 | 16425.0 | 6159.4 |
| Jun-88 | 84393.0 | 106659.7 | 86774.0 | 15048.8 | 0.0 | 26376.0 | 16231.4 | 6086.8 |
| Jul-88 | 78616.9 | 99340.3 | 80071.9 | 15604.3 | 0.0 | 27294.3 | 16796.5 | 6298.7 |
| Aug-88 | 92153.2 | 116492.3 | 94534.2 | 14920.9 | 0.0 | 26171.1 | 16105.3 | 6039.5 |
| Sep-88 | 71870.7 | 90830.5 | 73546.2 | 14241.9 | 0.0 | 24961.3 | 15360.8 | 5760.3 |
| Oct-88 | 77426.4 | 97841.2 | 80071.9 | 14572.6 | 0.0 | 25472.7 | 15675.5 | 5878.3 |
| Nov-88 | 88273.1 | 111553.9 | 90654.1 | 15031.1 | 0.0 | 26281.9 | 16173.5 | 6065.1 |
| Dec-88 | 88317.2 | 111642.1 | 90610.0 | 15824.8 | 0.0 | 27595.7 | 16981.9 | 6368.2 |
| Jan-89 | 94798.8 | 119887.4 | 97312.1 | 16146.7 | 0.0 | 28212.9 | 17361.8 | 6510.7 |
| Feb-89 | 96386.1 | 122003.8 | 99869.4 | 15683.7 | 0.0 | 27390.0 | 16855.4 | 6320.8 |
| Mar-89 | 106042.4 | 133997.0 | 108687.9 | 15749.8 | 0.0 | 27605.1 | 16987.7 | 6370.4 |
| Apr-89 | 116712.7 | 147665.6 | 119270.1 | 14352.1 | 0.0 | 25164.5 | 15485.8 | 5807.2 |
| May-89 | 93961.0 | 118829.2 | 96562.5 | 15256.0 | 0.0 | 26690.6 | 16425.0 | 6159.4 |
| Jun-89 | 84393.0 | 106659.7 | 86774.0 | 15048.8 | 0.0 | 26376.0 | 16231.4 | 6086.8 |
| Jul-89 | 78616.9 | 99340.3 | 80071.9 | 15604.3 | 0.0 | 27294.3 | 16796.5 | 6298.7 |
| Aug-89 | 92153.2 | 116492.3 | 94534.2 | 14920.9 | 0.0 | 26171.1 | 16105.3 | 6039.5 |
| Sep-89 | 71870.7 | 90830.5 | 73546.2 | 14241.9 | 0.0 | 24961.3 | 15360.8 | 5760.3 |
| Oct-89 | 77426.4 | 97841.2 | 80071.9 | 14572.6 | 0.0 | 25472.7 | 15675.5 | 5878.3 |
| Nov-89 | 88273.1 | 111553.9 | 90654.1 | 15031.1 | 0.0 | 26281.9 | 16173.5 | 6065.1 |
| Dec-89 | 88317.2 | 111642.1 | 90610.0 | 15824.8 | 0.0 | 27595.7 | 16981.9 | 6368.2 |

| Month | Edgewater Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|------------------------------------|---------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = 20.0 (mg/L) | Medium TN Removal TN = 11.0 (mg/L) | High TN Removal TN = 4.0 (mg/L) | |
| Jan-88 | 591.8 | 1199.8 | 591.8 | 591.8 | 0.0 | 633.5 | 348.4 | 126.7 | |
| Feb-88 | 471.5 | 956.4 | 471.5 | 471.5 | 0.0 | 534.2 | 293.8 | 106.8 | |
| Mar-88 | 385.3 | 782.1 | 385.3 | 385.3 | 0.0 | 500.8 | 275.5 | 100.2 | |
| Apr-88 | 412.5 | 836.8 | 412.5 | 412.5 | 0.0 | 450.7 | 247.9 | 90.1 | |
| May-88 | 363.6 | 738.9 | 363.6 | 363.6 | 0.0 | 450.8 | 247.9 | 90.2 | |
| Jun-88 | 339.0 | 689.6 | 339.0 | 339.0 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Jul-88 | 335.2 | 679.4 | 335.2 | 335.2 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Aug-88 | 266.3 | 540.1 | 266.3 | 266.3 | 0.0 | 400.7 | 220.4 | 80.1 | |
| Sep-88 | 281.6 | 570.9 | 281.6 | 281.6 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Oct-88 | 520.1 | 1054.2 | 520.1 | 484.2 | 0.0 | 484.1 | 266.3 | 96.8 | |
| Nov-88 | 289.1 | 586.8 | 289.1 | 289.1 | 0.0 | 567.6 | 312.2 | 113.5 | |
| Dec-88 | 411.3 | 836.3 | 411.3 | 411.3 | 0.0 | 601.0 | 330.5 | 120.2 | |
| Jan-89 | 592.6 | 1201.4 | 592.6 | 592.6 | 0.0 | 634.4 | 348.9 | 126.9 | |
| Feb-89 | 471.5 | 956.4 | 471.5 | 471.5 | 0.0 | 534.2 | 293.8 | 106.8 | |
| Mar-89 | 385.3 | 782.1 | 385.3 | 385.3 | 0.0 | 500.8 | 275.5 | 100.2 | |
| Apr-89 | 412.5 | 836.8 | 412.5 | 412.5 | 0.0 | 450.7 | 247.9 | 90.1 | |
| May-89 | 363.6 | 738.9 | 363.6 | 363.6 | 0.0 | 450.8 | 247.9 | 90.2 | |
| Jun-89 | 339.0 | 689.6 | 339.0 | 339.0 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Jul-89 | 335.2 | 679.4 | 335.2 | 335.2 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Aug-89 | 266.3 | 540.1 | 266.3 | 266.3 | 0.0 | 400.7 | 220.4 | 80.1 | |
| Sep-89 | 281.6 | 570.9 | 281.6 | 281.6 | 0.0 | 434.1 | 238.7 | 86.8 | |
| Oct-89 | 520.1 | 1054.2 | 520.1 | 484.2 | 0.0 | 484.1 | 266.3 | 96.8 | |
| Nov-89 | 289.1 | 586.8 | 289.1 | 289.1 | 0.0 | 567.6 | 312.2 | 113.5 | |
| Dec-89 | 411.3 | 836.3 | 411.3 | 411.3 | 0.0 | 601.0 | 330.5 | 120.2 | |

| Month | Edgewater Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = 6.5 (mg/L) | Medium BOD Removal BOD = 4.0 (mg/L) | High BOD Removal BOD = 1.5 (mg/L) | |
| Jan-88 | 693.5 | 1406.4 | 693.5 | 256.4 | 0.0 | 459.0 | 282.4 | 105.9 | |
| Feb-88 | 581.1 | 1178.6 | 581.1 | 215.9 | 0.0 | 386.9 | 238.1 | 89.3 | |
| Mar-88 | 625.2 | 1268.5 | 625.2 | 202.4 | 0.0 | 362.6 | 223.1 | 83.7 | |
| Apr-88 | 567.0 | 1150.4 | 567.0 | 182.3 | 0.0 | 326.7 | 201.0 | 75.4 | |
| May-88 | 586.4 | 1189.2 | 586.4 | 182.0 | 0.0 | 326.2 | 200.7 | 75.3 | |
| Jun-88 | 412.7 | 837.3 | 412.7 | 175.8 | 0.0 | 314.3 | 193.4 | 72.5 | |
| Jul-88 | 458.6 | 930.4 | 458.6 | 175.8 | 0.0 | 314.4 | 193.5 | 72.6 | |
| Aug-88 | 462.5 | 938.3 | 462.5 | 162.1 | 0.0 | 290.1 | 178.5 | 66.9 | |
| Sep-88 | 483.7 | 980.6 | 483.7 | 175.7 | 0.0 | 314.2 | 193.4 | 72.5 | |
| Oct-88 | 466.5 | 946.2 | 466.5 | 195.9 | 0.0 | 350.7 | 215.8 | 80.9 | |
| Nov-88 | 667.6 | 1353.6 | 667.6 | 229.5 | 0.0 | 410.9 | 252.9 | 94.8 | |
| Dec-88 | 786.2 | 1593.5 | 786.2 | 243.1 | 0.0 | 435.2 | 267.8 | 100.4 | |
| Jan-89 | 694.5 | 1408.3 | 694.5 | 256.8 | 0.0 | 459.6 | 282.8 | 106.1 | |
| Feb-89 | 581.1 | 1178.6 | 581.1 | 215.9 | 0.0 | 386.9 | 238.1 | 89.3 | |
| Mar-89 | 625.2 | 1268.5 | 625.2 | 202.4 | 0.0 | 362.6 | 223.1 | 83.7 | |
| Apr-89 | 567.0 | 1150.4 | 567.0 | 182.3 | 0.0 | 326.7 | 201.0 | 75.4 | |
| May-89 | 586.4 | 1189.2 | 586.4 | 182.0 | 0.0 | 326.2 | 200.7 | 75.3 | |
| Jun-89 | 412.7 | 837.3 | 412.7 | 175.8 | 0.0 | 314.3 | 193.4 | 72.5 | |
| Jul-89 | 458.6 | 930.4 | 458.6 | 175.8 | 0.0 | 314.4 | 193.5 | 72.6 | |
| Aug-89 | 462.5 | 938.3 | 462.5 | 162.1 | 0.0 | 290.1 | 178.5 | 66.9 | |
| Sep-89 | 483.7 | 980.6 | 483.7 | 175.7 | 0.0 | 314.2 | 193.4 | 72.5 | |
| Oct-89 | 466.5 | 946.2 | 466.5 | 195.9 | 0.0 | 350.7 | 215.8 | 80.9 | |
| Nov-89 | 667.6 | 1353.6 | 667.6 | 229.5 | 0.0 | 410.9 | 252.9 | 94.8 | |
| Dec-89 | 786.2 | 1593.5 | 786.2 | 243.1 | 0.0 | 435.2 | 267.8 | 100.4 | |

| Red Hook Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 5857.3 | 5857.3 | 1907.9 | 1907.9 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 5480.7 | 5480.7 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 5638.5 | 5638.5 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 5840.9 | 5840.9 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 7513.4 | 7513.4 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 5857.7 | 5857.7 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 5728.5 | 5728.5 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 5102.8 | 5102.8 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 5188.2 | 5188.2 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 5927.8 | 5927.8 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 4984.6 | 4984.6 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 5991.3 | 5991.3 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 5865.2 | 5865.2 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 5480.7 | 5480.7 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 5638.5 | 5638.5 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 5840.9 | 5840.9 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 7513.4 | 7513.4 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 5857.7 | 5857.7 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 5728.5 | 5728.5 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 5102.8 | 5102.8 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 5188.2 | 5188.2 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 5927.8 | 5927.8 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 4984.6 | 4984.6 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 5991.3 | 5991.3 | 1910.5 | 1910.5 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Red Hook Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 6675.4 | 6675.4 | 6010.5 | 6010.5 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 5895.2 | 5895.2 | 5304.3 | 5304.3 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 1966.5 | 1966.5 | 1768.1 | 1768.1 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 3422.9 | 3422.9 | 3079.4 | 3079.4 | 0.0 | N/A | N/A | N/A | |
| May-88 | 5238.2 | 5238.2 | 4713.5 | 4713.5 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 3212.1 | 3212.1 | 2892.9 | 2892.9 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 5643.8 | 5643.8 | 5083.9 | 5083.9 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 6737.3 | 6737.3 | 6067.1 | 6067.1 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 4625.3 | 4625.3 | 4163.7 | 4163.7 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 3579.9 | 3579.9 | 3225.8 | 3225.8 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 5943.7 | 5943.7 | 5352.8 | 5352.8 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 7923.4 | 7923.4 | 7129.8 | 7129.8 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 6684.4 | 6684.4 | 6018.6 | 6018.6 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 5895.2 | 5895.2 | 5304.3 | 5304.3 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 1966.5 | 1966.5 | 1768.1 | 1768.1 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 3422.9 | 3422.9 | 3079.4 | 3079.4 | 0.0 | N/A | N/A | N/A | |
| May-89 | 5238.2 | 5238.2 | 4713.5 | 4713.5 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 3212.1 | 3212.1 | 2892.9 | 2892.9 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 5643.8 | 5643.8 | 5083.9 | 5083.9 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 6737.3 | 6737.3 | 6067.1 | 6067.1 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 4625.3 | 4625.3 | 4163.7 | 4163.7 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 3579.9 | 3579.9 | 3225.8 | 3225.8 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 5943.7 | 5943.7 | 5352.8 | 5352.8 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 7923.4 | 7923.4 | 7129.8 | 7129.8 | 0.0 | N/A | N/A | N/A | |

| Newtown Creek Total Nitrogen Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 30013.0 | 30013.0 | 18779.3 | 18779.3 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 33435.3 | 33435.3 | 18804.5 | 18804.5 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 39423.1 | 39423.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 34030.6 | 34030.6 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 38175.3 | 38175.3 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 39255.5 | 39255.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 52545.0 | 52545.0 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 44771.5 | 44771.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 44030.7 | 44030.7 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 34877.1 | 34877.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 32549.1 | 32549.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 35520.5 | 35520.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 30053.4 | 30053.4 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 33435.3 | 33435.3 | 18804.5 | 18804.5 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 39423.1 | 39423.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 34030.6 | 34030.6 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 38175.3 | 38175.3 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 39255.5 | 39255.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 52545.0 | 52545.0 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 44771.5 | 44771.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 44030.7 | 44030.7 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 34877.1 | 34877.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 32549.1 | 32549.1 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 35520.5 | 35520.5 | 18804.6 | 18804.6 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Newtown Creek Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 47203.5 | 47203.5 | 42474.4 | 42474.4 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 48634.0 | 48634.0 | 43739.7 | 43739.7 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 48810.4 | 48810.4 | 43951.4 | 43951.4 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 50133.1 | 50133.1 | 45150.7 | 45150.7 | 0.0 | N/A | N/A | N/A | |
| May-88 | 52117.3 | 52117.3 | 46914.4 | 46914.4 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 55424.2 | 55424.2 | 49824.5 | 49824.5 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 57011.5 | 57011.5 | 51279.5 | 51279.5 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 58334.3 | 58334.3 | 52470.0 | 52470.0 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 54498.3 | 54498.3 | 48986.7 | 48986.7 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 51852.7 | 51852.7 | 46693.9 | 46693.9 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 50000.8 | 50000.8 | 44930.2 | 44930.2 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 49339.5 | 49339.5 | 44445.2 | 44445.2 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 47267.1 | 47267.1 | 42531.6 | 42531.6 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 48634.0 | 48634.0 | 43739.7 | 43739.7 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 48810.4 | 48810.4 | 43951.4 | 43951.4 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 50133.1 | 50133.1 | 45150.7 | 45150.7 | 0.0 | N/A | N/A | N/A | |
| May-89 | 52117.3 | 52117.3 | 46914.4 | 46914.4 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 55424.2 | 55424.2 | 49824.5 | 49824.5 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 57011.5 | 57011.5 | 51279.5 | 51279.5 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 58334.3 | 58334.3 | 52470.0 | 52470.0 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 54498.3 | 54498.3 | 48986.7 | 48986.7 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 51852.7 | 51852.7 | 46693.9 | 46693.9 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 50000.8 | 50000.8 | 44930.2 | 44930.2 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 49339.5 | 49339.5 | 44445.2 | 44445.2 | 0.0 | N/A | N/A | N/A | |

| Wards Island Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 45446.7 | 45446.7 | 17871.8 | 17871.8 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 41596.4 | 41596.4 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 36379.8 | 36379.8 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 37022.2 | 37022.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 34057.9 | 34057.9 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 31675.6 | 31675.6 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 35423.9 | 35423.9 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 35496.1 | 35496.1 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 38810.2 | 38810.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 43744.1 | 43744.1 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 51050.2 | 51050.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 38041.7 | 38041.7 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 45507.8 | 45507.8 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 41596.4 | 41596.4 | 17895.9 | 17895.9 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 36379.8 | 36379.8 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 37022.2 | 37022.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 34057.9 | 34057.9 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 31675.6 | 31675.6 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 35423.9 | 35423.9 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 35496.1 | 35496.1 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 38810.2 | 38810.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 43744.1 | 43744.1 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 51050.2 | 51050.2 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 38041.7 | 38041.7 | 17895.8 | 17895.8 | 0.0 | N/A | N/A | N/A | N/A |

| Wards Island Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 29902.9 | 29902.9 | 26908.6 | 26908.6 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 32606.4 | 32606.4 | 29365.6 | 29365.6 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 28444.0 | 28444.0 | 25635.4 | 25635.4 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 22376.9 | 22376.9 | 20137.0 | 20137.0 | 0.0 | N/A | N/A | N/A | |
| May-88 | 29511.1 | 29511.1 | 26517.2 | 26517.2 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 26019.0 | 26019.0 | 23417.5 | 23417.5 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 31781.8 | 31781.8 | 28589.5 | 28589.5 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 19607.9 | 19607.9 | 17637.0 | 17637.0 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 21600.9 | 21600.9 | 19458.0 | 19458.0 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 25591.3 | 25591.3 | 23055.9 | 23055.9 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 26508.4 | 26508.4 | 23884.9 | 23884.9 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 24912.2 | 24912.2 | 22407.8 | 22407.8 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 29943.2 | 29943.2 | 26944.9 | 26944.9 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 32606.4 | 32606.4 | 29365.6 | 29365.6 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 28444.0 | 28444.0 | 25635.4 | 25635.4 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 22376.9 | 22376.9 | 20137.0 | 20137.0 | 0.0 | N/A | N/A | N/A | |
| May-89 | 29511.1 | 29511.1 | 26517.2 | 26517.2 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 26019.0 | 26019.0 | 23417.5 | 23417.5 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 31781.8 | 31781.8 | 28589.5 | 28589.5 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 19607.9 | 19607.9 | 17637.0 | 17637.0 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 21600.9 | 21600.9 | 19458.0 | 19458.0 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 25591.3 | 25591.3 | 23055.9 | 23055.9 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 26508.4 | 26508.4 | 23884.9 | 23884.9 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 24912.2 | 24912.2 | 22407.8 | 22407.8 | 0.0 | N/A | N/A | N/A | |

| Month | Bowery Bay Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 19810.6 | 19810.6 | 7159.8 | 7159.8 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 19709.3 | 19709.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 19982.7 | 19982.7 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 19779.9 | 19779.9 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| May-88 | 19290.5 | 19290.5 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 19854.8 | 19854.8 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 20247.3 | 20247.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 16605.2 | 16605.2 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 18333.6 | 18333.6 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 15635.2 | 15635.2 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 15701.3 | 15701.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 17548.8 | 17548.8 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 19837.2 | 19837.2 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 19709.3 | 19709.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 19982.7 | 19982.7 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 19779.9 | 19779.9 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| May-89 | 19290.5 | 19290.5 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 19854.8 | 19854.8 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 20247.3 | 20247.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 16605.2 | 16605.2 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 18333.6 | 18333.6 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 15635.2 | 15635.2 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 15701.3 | 15701.3 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 17548.8 | 17548.8 | 7169.4 | 7169.4 | 0.0 | N/A | N/A | N/A | |

| Month | Bowery Bay Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 12461.4 | 12461.4 | 11219.7 | 11219.7 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 17637.0 | 17637.0 | 15864.5 | 15864.5 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 15101.7 | 15101.7 | 13576.1 | 13576.1 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 12989.6 | 12989.6 | 11693.3 | 11693.3 | 0.0 | N/A | N/A | N/A | |
| May-88 | 8589.2 | 8589.2 | 7729.4 | 7729.4 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 11534.6 | 11534.6 | 10383.8 | 10383.8 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 9501.9 | 9501.9 | 8549.5 | 8549.5 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 6459.5 | 6459.5 | 5811.4 | 5811.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 6622.7 | 6622.7 | 5956.9 | 5956.9 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 7751.5 | 7751.5 | 6975.4 | 6975.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 9118.3 | 9118.3 | 8210.0 | 8210.0 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 9118.3 | 9118.3 | 8210.0 | 8210.0 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 12478.2 | 12478.2 | 11234.8 | 11234.8 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 17637.0 | 17637.0 | 15864.5 | 15864.5 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 15101.7 | 15101.7 | 13576.1 | 13576.1 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 12989.6 | 12989.6 | 11693.3 | 11693.3 | 0.0 | N/A | N/A | N/A | |
| May-89 | 8589.2 | 8589.2 | 7729.4 | 7729.4 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 11534.6 | 11534.6 | 10383.8 | 10383.8 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 9501.9 | 9501.9 | 8549.5 | 8549.5 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 6459.5 | 6459.5 | 5811.4 | 5811.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 6622.7 | 6622.7 | 5956.9 | 5956.9 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 7751.5 | 7751.5 | 6975.4 | 6975.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 9118.3 | 9118.3 | 8210.0 | 8210.0 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 9118.3 | 9118.3 | 8210.0 | 8210.0 | 0.0 | N/A | N/A | N/A | |

| Hunts Point Total Nitrogen Load (lb/d) | | | | | | | | | |
|---|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 28205.1 | 28205.1 | 11863.4 | 11863.4 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 25367.3 | 25367.3 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 25943.6 | 25943.6 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 25363.3 | 25363.3 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 27999.1 | 27999.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 29374.0 | 29374.0 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 25860.7 | 25860.7 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 24557.8 | 24557.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 24795.8 | 24795.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 27906.1 | 27906.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 33422.1 | 33422.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 29031.8 | 29031.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 28242.9 | 28242.9 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 25367.3 | 25367.3 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 25943.6 | 25943.6 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 25363.3 | 25363.3 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 27999.1 | 27999.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 29374.0 | 29374.0 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 25860.7 | 25860.7 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 24557.8 | 24557.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 24795.8 | 24795.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 27906.1 | 27906.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 33422.1 | 33422.1 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 29031.8 | 29031.8 | 11879.4 | 11879.4 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Hunts Point Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 14777.5 | 14777.5 | 13298.0 | 13298.0 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 18197.0 | 18197.0 | 16362.7 | 16362.7 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 15560.2 | 15560.2 | 14030.2 | 14030.2 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 13981.7 | 13981.7 | 12592.8 | 12592.8 | 0.0 | N/A | N/A | N/A | |
| May-88 | 15062.0 | 15062.0 | 13562.8 | 13562.8 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 14330.0 | 14330.0 | 12927.9 | 12927.9 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 16045.2 | 16045.2 | 14440.3 | 14440.3 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 10300.0 | 10300.0 | 9272.6 | 9272.6 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 11759.5 | 11759.5 | 10586.6 | 10586.6 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 11843.2 | 11843.2 | 10661.6 | 10661.6 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 13615.8 | 13615.8 | 12253.3 | 12253.3 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 16556.7 | 16556.7 | 14916.5 | 14916.5 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 14797.4 | 14797.4 | 13315.9 | 13315.9 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 18197.0 | 18197.0 | 16362.7 | 16362.7 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 15560.2 | 15560.2 | 14030.2 | 14030.2 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 13981.7 | 13981.7 | 12592.8 | 12592.8 | 0.0 | N/A | N/A | N/A | |
| May-89 | 15062.0 | 15062.0 | 13562.8 | 13562.8 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 14330.0 | 14330.0 | 12927.9 | 12927.9 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 16045.2 | 16045.2 | 14440.3 | 14440.3 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 10300.0 | 10300.0 | 9272.6 | 9272.6 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 11759.5 | 11759.5 | 10586.6 | 10586.6 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 11843.2 | 11843.2 | 10661.6 | 10661.6 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 13615.8 | 13615.8 | 12253.3 | 12253.3 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 16556.7 | 16556.7 | 14916.5 | 14916.5 | 0.0 | N/A | N/A | N/A | |

| Tallman Island Total Nitrogen Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 5781.1 | 5781.1 | 2841.9 | 2841.9 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 6319.3 | 6319.3 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 7131.1 | 7131.1 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 7944.1 | 7944.1 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 9047.8 | 9047.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 9154.9 | 9154.9 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 8293.8 | 8293.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 8818.5 | 8818.5 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 10181.8 | 10181.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 5351.9 | 5351.9 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 4783.6 | 4783.6 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 5367.8 | 5367.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 5788.9 | 5788.9 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 6319.3 | 6319.3 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 7131.1 | 7131.1 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 7944.1 | 7944.1 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 9047.8 | 9047.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 9154.9 | 9154.9 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 8293.8 | 8293.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 8818.5 | 8818.5 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 10181.8 | 10181.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 5351.9 | 5351.9 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 4783.6 | 4783.6 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 5367.8 | 5367.8 | 2845.7 | 2845.7 | 0.0 | N/A | N/A | N/A | N/A |

| Tallman Island Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 3774.5 | 3774.5 | 3399.8 | 3399.8 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 8311.4 | 8311.4 | 7482.5 | 7482.5 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 7270.8 | 7270.8 | 6538.9 | 6538.9 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 6680.0 | 6680.0 | 6014.2 | 6014.2 | 0.0 | N/A | N/A | N/A | |
| May-88 | 8465.8 | 8465.8 | 7619.2 | 7619.2 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 4780.5 | 4780.5 | 4299.9 | 4299.9 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 6935.7 | 6935.7 | 6247.9 | 6247.9 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 4341.8 | 4341.8 | 3904.4 | 3904.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 9854.7 | 9854.7 | 8871.4 | 8871.4 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 3073.2 | 3073.2 | 2765.5 | 2765.5 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 2309.1 | 2309.1 | 2077.6 | 2077.6 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 3131.0 | 3131.0 | 2814.0 | 2814.0 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 3779.6 | 3779.6 | 3404.4 | 3404.4 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 8311.4 | 8311.4 | 7482.5 | 7482.5 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 7270.8 | 7270.8 | 6538.9 | 6538.9 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 6680.0 | 6680.0 | 6014.2 | 6014.2 | 0.0 | N/A | N/A | N/A | |
| May-89 | 8465.8 | 8465.8 | 7619.2 | 7619.2 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 4780.5 | 4780.5 | 4299.9 | 4299.9 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 6935.7 | 6935.7 | 6247.9 | 6247.9 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 4341.8 | 4341.8 | 3904.4 | 3904.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 9854.7 | 9854.7 | 8871.4 | 8871.4 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 3073.2 | 3073.2 | 2765.5 | 2765.5 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 2309.1 | 2309.1 | 2077.6 | 2077.6 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 3131.0 | 3131.0 | 2814.0 | 2814.0 | 0.0 | N/A | N/A | N/A | |

| Month | 26th Ward Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 15572.7 | 15572.7 | 5697.0 | 5697.0 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 16021.8 | 16021.8 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 14363.0 | 14363.0 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 15408.6 | 15408.6 | 5704.7 | 5704.7 | 0.0 | N/A | N/A | N/A | |
| May-88 | 16060.2 | 16060.2 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 15637.8 | 15637.8 | 5704.7 | 5704.7 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 13423.1 | 13423.1 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 10969.3 | 10969.3 | 5700.3 | 5700.3 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 10111.3 | 10111.3 | 5700.7 | 5700.7 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 16355.6 | 16355.6 | 5701.6 | 5701.6 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 11177.0 | 11177.0 | 5700.7 | 5700.7 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 14410.3 | 14410.3 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 15593.8 | 15593.8 | 5704.7 | 5704.7 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 16021.9 | 16021.9 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 14363.0 | 14363.0 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 15408.6 | 15408.6 | 5704.7 | 5704.7 | 0.0 | N/A | N/A | N/A | |
| May-89 | 16060.2 | 16060.2 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 15637.8 | 15637.8 | 5704.7 | 5704.7 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 13423.1 | 13423.1 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 10969.3 | 10969.3 | 5700.3 | 5700.3 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 10111.3 | 10111.3 | 5700.7 | 5700.7 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 16355.6 | 16355.6 | 5701.6 | 5701.6 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 11177.0 | 11177.0 | 5700.7 | 5700.7 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 14410.3 | 14410.3 | 5705.1 | 5705.1 | 0.0 | N/A | N/A | N/A | |

| Month | 26th Ward Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 14011.4 | 14011.4 | 8987.2 | 8987.2 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 12606.0 | 12606.0 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 11574.3 | 11574.3 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 11583.1 | 11583.1 | 8994.9 | 8994.9 | 0.0 | N/A | N/A | N/A | |
| May-88 | 13646.6 | 13646.6 | 8994.9 | 8994.9 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 12094.6 | 12094.6 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 11631.6 | 11631.6 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 11252.4 | 11252.4 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 12081.3 | 12081.3 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 13307.1 | 13307.1 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 13937.6 | 13937.6 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 15573.5 | 15573.5 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 14030.2 | 14030.2 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 12606.0 | 12606.0 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 11574.3 | 11574.3 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 11583.1 | 11583.1 | 8994.9 | 8994.9 | 0.0 | N/A | N/A | N/A | |
| May-89 | 13646.6 | 13646.6 | 8994.9 | 8994.9 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 12094.6 | 12094.6 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 11631.6 | 11631.6 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 11252.4 | 11252.4 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 12081.3 | 12081.3 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 13307.1 | 13307.1 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 13937.6 | 13937.6 | 8999.3 | 8999.3 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 15573.5 | 15573.5 | 9003.7 | 9003.7 | 0.0 | N/A | N/A | N/A | |

| Month | Jamaica Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|---------------------------------------|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 16369.0 | 16369.0 | 20667.0 | 20667.0 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 19435.0 | 19435.0 | 20698.8 | 20698.8 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 18587.7 | 18587.7 | 20694.9 | 20694.9 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 19872.0 | 19872.0 | 20699.2 | 20699.2 | 0.0 | N/A | N/A | N/A | |
| May-88 | 20847.8 | 20847.8 | 20699.3 | 20699.3 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 19488.4 | 19488.4 | 20694.4 | 20694.4 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 19007.4 | 19007.4 | 20698.7 | 20698.7 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 18333.6 | 18333.6 | 20698.7 | 20698.7 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 17662.1 | 17662.1 | 20699.2 | 20699.2 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 14146.2 | 14146.2 | 20699.3 | 20699.3 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 16702.2 | 16702.2 | 20694.8 | 20694.8 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 15683.3 | 15683.3 | 20694.3 | 20694.3 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 16390.9 | 16390.9 | 20694.9 | 20694.9 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 19435.0 | 19435.0 | 20698.7 | 20698.7 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 18587.7 | 18587.7 | 20694.9 | 20694.9 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 19872.0 | 19872.0 | 20699.2 | 20699.2 | 0.0 | N/A | N/A | N/A | |
| May-89 | 20847.8 | 20847.8 | 20699.3 | 20699.3 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 19488.4 | 19488.4 | 20694.4 | 20694.4 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 19007.4 | 19007.4 | 20698.7 | 20698.7 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 18333.6 | 18333.6 | 20698.7 | 20698.7 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 17662.1 | 17662.1 | 20699.2 | 20699.2 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 14146.2 | 14146.2 | 20699.3 | 20699.3 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 16702.2 | 16702.2 | 20694.8 | 20694.8 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 15683.3 | 15683.3 | 20694.3 | 20694.3 | 0.0 | N/A | N/A | N/A | |

| Month | Jamaica Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|---|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 16481.6 | 16481.6 | 15173.8 | 15173.8 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 17504.7 | 17504.7 | 15216.3 | 15216.3 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 18928.9 | 18928.9 | 15203.1 | 15203.1 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 16706.6 | 16706.6 | 15207.5 | 15207.5 | 0.0 | N/A | N/A | N/A | |
| May-88 | 16693.4 | 16693.4 | 15198.7 | 15198.7 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 17945.6 | 17945.6 | 15211.9 | 15211.9 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 16450.9 | 16450.9 | 15181.0 | 15181.0 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 18734.9 | 18734.9 | 15185.4 | 15185.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 15701.3 | 15701.3 | 15225.1 | 15225.1 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 11746.2 | 11746.2 | 15185.4 | 15185.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 16120.2 | 16120.2 | 15216.3 | 15216.3 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 15128.1 | 15128.1 | 15176.6 | 15176.6 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 16503.8 | 16503.8 | 15194.3 | 15194.3 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 17504.7 | 17504.7 | 15216.3 | 15216.3 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 18928.9 | 18928.9 | 15203.1 | 15203.1 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 16706.6 | 16706.6 | 15207.5 | 15207.5 | 0.0 | N/A | N/A | N/A | |
| May-89 | 16693.4 | 16693.4 | 15198.7 | 15198.7 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 17945.6 | 17945.6 | 15211.9 | 15211.9 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 16450.9 | 16450.9 | 15181.0 | 15181.0 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 18734.9 | 18734.9 | 15185.4 | 15185.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 15701.3 | 15701.3 | 15225.1 | 15225.1 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 11746.2 | 11746.2 | 15185.4 | 15185.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 16120.2 | 16120.2 | 15216.3 | 15216.3 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 15128.1 | 15128.1 | 15176.6 | 15176.6 | 0.0 | N/A | N/A | N/A | |

| Month | Rockaway Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 2815.0 | 2815.0 | 2792.8 | 2792.8 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 2692.7 | 2692.7 | 2795.6 | 2795.6 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 2534.4 | 2534.4 | 2795.5 | 2795.5 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 2847.5 | 2847.5 | 2796.3 | 2796.3 | 0.0 | N/A | N/A | N/A | |
| May-88 | 2993.9 | 2993.9 | 2796.2 | 2796.2 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 2356.9 | 2356.9 | 2796.2 | 2796.2 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 2661.0 | 2661.0 | 2795.8 | 2795.8 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 2811.3 | 2811.3 | 2796.1 | 2796.1 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 3180.8 | 3180.8 | 2796.1 | 2796.1 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 2298.5 | 2298.5 | 2795.2 | 2795.2 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 2403.0 | 2403.0 | 2795.6 | 2795.6 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 2301.2 | 2301.2 | 2796.5 | 2796.5 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 2818.8 | 2818.8 | 2796.5 | 2796.5 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 2692.7 | 2692.7 | 2795.6 | 2795.6 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 2534.4 | 2534.4 | 2795.5 | 2795.5 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 2847.5 | 2847.5 | 2796.3 | 2796.3 | 0.0 | N/A | N/A | N/A | |
| May-89 | 2993.9 | 2993.9 | 2796.2 | 2796.2 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 2356.9 | 2356.9 | 2796.2 | 2796.2 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 2661.0 | 2661.0 | 2795.8 | 2795.8 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 2811.3 | 2811.3 | 2796.1 | 2796.1 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 3180.8 | 3180.8 | 2796.1 | 2796.1 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 2298.5 | 2298.5 | 2795.2 | 2795.2 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 2403.0 | 2403.0 | 2795.6 | 2795.6 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 2301.2 | 2301.2 | 2796.5 | 2796.5 | 0.0 | N/A | N/A | N/A | |

| Month | Rockaway Total Organic Carbon Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 3620.4 | 3620.4 | 2197.7 | 2197.7 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 3370.9 | 3370.9 | 2202.0 | 2202.0 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 3675.5 | 3675.5 | 2200.2 | 2200.2 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 3675.5 | 3675.5 | 2200.2 | 2200.2 | 0.0 | N/A | N/A | N/A | |
| May-88 | 4065.3 | 4065.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 3643.8 | 3643.8 | 2201.1 | 2201.1 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 3476.7 | 3476.7 | 2198.0 | 2198.0 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 3117.3 | 3117.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 3657.5 | 3657.5 | 2202.0 | 2202.0 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 3509.3 | 3509.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 3509.3 | 3509.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 3899.1 | 3899.1 | 2199.8 | 2199.8 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 3625.3 | 3625.3 | 2200.7 | 2200.7 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 3370.9 | 3370.9 | 2202.0 | 2202.0 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 3675.5 | 3675.5 | 2200.2 | 2200.2 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 3675.5 | 3675.5 | 2200.2 | 2200.2 | 0.0 | N/A | N/A | N/A | |
| May-89 | 4065.3 | 4065.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 3643.8 | 3643.8 | 2201.1 | 2201.1 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 3476.7 | 3476.7 | 2198.0 | 2198.0 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 3117.3 | 3117.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 3657.5 | 3657.5 | 2202.0 | 2202.0 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 3509.3 | 3509.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 3509.3 | 3509.3 | 2198.4 | 2198.4 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 3899.1 | 3899.1 | 2199.8 | 2199.8 | 0.0 | N/A | N/A | N/A | |

| Month | Coney Island Total Nitrogen Load (lb/d) | | | | | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|-----------------------------------|--------------------------------------|------------------------------------|--|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low TN Removal TN = N/A (mg/L) | Medium TN Removal TN = N/A (mg/L) | High TN Removal TN = N/A (mg/L) | |
| Jan-88 | 15329.2 | 15329.2 | 15980.5 | 15980.5 | 0.0 | N/A | N/A | N/A | |
| Feb-88 | 12883.4 | 12883.4 | 15997.7 | 15997.7 | 0.0 | N/A | N/A | N/A | |
| Mar-88 | 14234.8 | 14234.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Apr-88 | 14606.5 | 14606.5 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| May-88 | 14122.8 | 14122.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Jun-88 | 14312.9 | 14312.9 | 16002.0 | 16002.0 | 0.0 | N/A | N/A | N/A | |
| Jul-88 | 14427.1 | 14427.1 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Aug-88 | 12218.9 | 12218.9 | 15998.0 | 15998.0 | 0.0 | N/A | N/A | N/A | |
| Sep-88 | 15024.9 | 15024.9 | 15997.6 | 15997.6 | 0.0 | N/A | N/A | N/A | |
| Oct-88 | 11061.5 | 11061.5 | 15997.6 | 15997.6 | 0.0 | N/A | N/A | N/A | |
| Nov-88 | 10599.8 | 10599.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Dec-88 | 12266.5 | 12266.5 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Jan-89 | 15349.9 | 15349.9 | 16002.0 | 16002.0 | 0.0 | N/A | N/A | N/A | |
| Feb-89 | 12883.4 | 12883.4 | 15997.7 | 15997.7 | 0.0 | N/A | N/A | N/A | |
| Mar-89 | 14234.8 | 14234.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Apr-89 | 14606.5 | 14606.5 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| May-89 | 14122.8 | 14122.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Jun-89 | 14312.9 | 14312.9 | 16002.0 | 16002.0 | 0.0 | N/A | N/A | N/A | |
| Jul-89 | 14427.1 | 14427.1 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Aug-89 | 12218.9 | 12218.9 | 15998.0 | 15998.0 | 0.0 | N/A | N/A | N/A | |
| Sep-89 | 15024.9 | 15024.9 | 15997.6 | 15997.6 | 0.0 | N/A | N/A | N/A | |
| Oct-89 | 11061.5 | 11061.5 | 15997.6 | 15997.6 | 0.0 | N/A | N/A | N/A | |
| Nov-89 | 10599.8 | 10599.8 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |
| Dec-89 | 12266.5 | 12266.5 | 15997.2 | 15997.2 | 0.0 | N/A | N/A | N/A | |

| Coney Island Total Organic Carbon Load (lb/d) | | | | | | | | | |
|--|----------|------------------------|------------------------------|----------------------------|------------------|-------------------------------------|--|--------------------------------------|-----|
| Month | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral | Low BOD Removal BOD = N/A (mg/L) | Medium BOD Removal BOD = N/A (mg/L) | High BOD Removal BOD = N/A (mg/L) | |
| Jan-88 | 19299.7 | 19299.7 | 10986.3 | 10986.3 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-88 | 16843.3 | 16843.3 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-88 | 18946.5 | 18946.5 | 10992.2 | 10992.2 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-88 | 17090.2 | 17090.2 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| May-88 | 16398.0 | 16398.0 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-88 | 15899.7 | 15899.7 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-88 | 16455.3 | 16455.3 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-88 | 13814.2 | 13814.2 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-88 | 16715.5 | 16715.5 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-88 | 15573.5 | 15573.5 | 11005.5 | 11005.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-88 | 16869.8 | 16869.8 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-88 | 17495.9 | 17495.9 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Jan-89 | 19325.7 | 19325.7 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Feb-89 | 16843.3 | 16843.3 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Mar-89 | 18946.5 | 18946.5 | 10992.2 | 10992.2 | 0.0 | N/A | N/A | N/A | N/A |
| Apr-89 | 17090.2 | 17090.2 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| May-89 | 16398.0 | 16398.0 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Jun-89 | 15899.7 | 15899.7 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Jul-89 | 16455.3 | 16455.3 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Aug-89 | 13814.2 | 13814.2 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Sep-89 | 16715.5 | 16715.5 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |
| Oct-89 | 15573.5 | 15573.5 | 11005.5 | 11005.5 | 0.0 | N/A | N/A | N/A | N/A |
| Nov-89 | 16869.8 | 16869.8 | 10996.7 | 10996.7 | 0.0 | N/A | N/A | N/A | N/A |
| Dec-89 | 17495.9 | 17495.9 | 11001.1 | 11001.1 | 0.0 | N/A | N/A | N/A | N/A |

| Month | Atmospheric Load Total Nitrogen Deposition Rate (lb/mi ² -d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 11.01 | 11.01 | 8.22 | 8.22 | 0.84 |
| Feb-88 | 14.70 | 14.70 | 10.98 | 10.98 | 1.12 |
| Mar-88 | 18.17 | 18.17 | 13.57 | 13.57 | 1.38 |
| Apr-88 | 17.67 | 17.67 | 13.19 | 13.19 | 1.35 |
| May-88 | 34.06 | 34.06 | 25.43 | 25.43 | 2.59 |
| Jun-88 | 25.80 | 25.80 | 19.26 | 19.26 | 1.96 |
| Jul-88 | 19.75 | 19.75 | 14.75 | 14.75 | 1.50 |
| Aug-88 | 28.99 | 28.99 | 21.65 | 21.65 | 2.21 |
| Sep-88 | 19.27 | 19.27 | 14.39 | 14.39 | 1.47 |
| Oct-88 | 15.14 | 15.14 | 11.30 | 11.30 | 1.15 |
| Nov-88 | 32.32 | 32.32 | 24.13 | 24.13 | 2.46 |
| Dec-88 | 9.50 | 9.50 | 7.10 | 7.10 | 0.72 |
| Jan-89 | 11.02 | 11.02 | 8.23 | 8.23 | 0.84 |
| Feb-89 | 14.70 | 14.70 | 10.98 | 10.98 | 1.12 |
| Mar-89 | 18.17 | 18.17 | 13.57 | 13.57 | 1.38 |
| Apr-89 | 17.67 | 17.67 | 13.19 | 13.19 | 1.35 |
| May-89 | 34.06 | 34.06 | 25.43 | 25.43 | 2.59 |
| Jun-89 | 25.80 | 25.80 | 19.26 | 19.26 | 1.96 |
| Jul-89 | 19.75 | 19.75 | 14.75 | 14.75 | 1.50 |
| Aug-89 | 28.99 | 28.99 | 21.65 | 21.65 | 2.21 |
| Sep-89 | 19.27 | 19.27 | 14.39 | 14.39 | 1.47 |
| Oct-89 | 15.14 | 15.14 | 11.30 | 11.30 | 1.15 |
| Nov-89 | 32.32 | 32.32 | 24.13 | 24.13 | 2.46 |
| Dec-89 | 9.50 | 9.50 | 7.10 | 7.10 | 0.72 |

| Month | Atmospheric Load Total Organic Carbon Deposition Rate (lb/mi ² -d) | | | | |
|--------|--|------------------------|------------------------------|----------------------------|------------------|
| | Baseline | Plants at Permit Flows | Revised Planned Improvements | Revised Sub-Regional Plans | Revised Pastoral |
| Jan-88 | 12.49 | 12.49 | 12.49 | 12.49 | 0.95 |
| Feb-88 | 19.44 | 19.44 | 19.44 | 19.44 | 1.48 |
| Mar-88 | 25.96 | 25.96 | 25.96 | 25.96 | 1.98 |
| Apr-88 | 25.02 | 25.02 | 25.02 | 25.02 | 1.91 |
| May-88 | 55.90 | 55.90 | 55.90 | 55.90 | 4.26 |
| Jun-88 | 40.34 | 40.34 | 40.34 | 40.34 | 3.07 |
| Jul-88 | 28.94 | 28.94 | 28.95 | 28.95 | 2.20 |
| Aug-88 | 46.36 | 46.36 | 46.36 | 46.36 | 3.53 |
| Sep-88 | 28.04 | 28.04 | 28.05 | 28.05 | 2.14 |
| Oct-88 | 20.26 | 20.26 | 20.26 | 20.26 | 1.54 |
| Nov-88 | 52.63 | 52.63 | 52.62 | 52.62 | 4.01 |
| Dec-88 | 9.64 | 9.64 | 9.64 | 9.64 | 0.73 |
| Jan-89 | 12.51 | 12.51 | 12.50 | 12.50 | 0.95 |
| Feb-89 | 19.44 | 19.44 | 19.44 | 19.44 | 1.48 |
| Mar-89 | 25.96 | 25.96 | 25.96 | 25.96 | 1.98 |
| Apr-89 | 25.02 | 25.02 | 25.02 | 25.02 | 1.91 |
| May-89 | 55.90 | 55.90 | 55.90 | 55.90 | 4.26 |
| Jun-89 | 40.34 | 40.34 | 40.34 | 40.34 | 3.07 |
| Jul-89 | 28.94 | 28.94 | 28.95 | 28.95 | 2.20 |
| Aug-89 | 46.36 | 46.36 | 46.36 | 46.36 | 3.53 |
| Sep-89 | 28.04 | 28.04 | 28.05 | 28.05 | 2.14 |
| Oct-89 | 20.26 | 20.26 | 20.26 | 20.26 | 1.54 |
| Nov-89 | 52.63 | 52.63 | 52.62 | 52.62 | 4.01 |
| Dec-89 | 9.64 | 9.64 | 9.64 | 9.64 | 0.73 |