| James Basin: SWCB-Approved Nutrient Waste Load Allocations (9 VAC 25-720-60-C.) | | | | | Total Nitrogen Waste Load Allocation | | Total Phosphorus Waste Load Allocation | |
|---|---|---|---|---|---|---|---|---|
| Facility | VPDES Permit No. | County or City Location | River Basin | Design Flow (MGD) | Total Nitrogen Concentration (mg/l) | Discharged TN Waste Load Alloc. (lbs/yr) | Total Phosphorus Concentration (mg/l) | Discharged TP Waste Load Alloc. (lbs/yr) |
| Buena Vista STP | VA0020991 | Buena Vista | James | 2.25 | 6.00 | 41,115 | 0.50 | 3,426 |
| Clifton Forge STP | VA0022772 | Clifton Forge | James | 2.00 | 6.00 | 36,547 | 0.50 | 3,046 |
| Covington STP | VA0025542 | Alleghany | James | 3.00 | 6.00 | 54,820 | 0.50 | 4,568 |
| Georgia Pacific | VA0003026 | Bedford | James | 10.87 | 3.70 | 122,489 | 1.50 | 49,658 |
| Lees Carpets | VA0004677 | Rockbridge | James | 2.00 | 5.00 | 30,456 | 2.00 | 12,182 |
| Lexington-Rockbridge Regional WQCF | VA0088161 | Rockbridge | James | 3.00 | 6.00 | 54,820 | 0.50 | 4,568 |
| Alleghany Co.-Low Moor STP | VA0027979 | Alleghany | James | 0.50 | 6.00 | 9,137 | 0.50 | 761 |
| Alleghany Co.-Lower Jackson River WWTP | VA0090671 | Alleghany | James | 1.50 | 6.00 | 27,410 | 0.50 | 2,284 |
| MeadWestvaco | VA0003646 | Alleghany | James | 35.00 | 3.70 | 394,400 | 1.50 | 159,892 |
| Amherst-Rutledge Creek WWTP | VA0031321 | Amherst | James | 0.60 | 6.00 | 10,964 | 0.50 | 914 |
| BWX Technologies, Inc. | VA0003697 | Campbell | James | 0.50 | 122.80 | 187,000 | 1.00 | 1,523 |
| Greif Inc. | VA0006408 | Amherst | James | 6.50 | 3.70 | 73,246 | 1.50 | 29,694 |
| Lake Monticello STP | VA0024945 | Fluvanna | James | 1.00 | 6.00 | 18,182 | 0.50 | 1,515 |
| Lynchburg STP (1) | VA0024970 | Lynchburg | James | 22.00 | 8.00 | 536,019 | 0.50 | 33,501 |
| RWSA-Moores Creek Regional STP | VA0025518 | Albemarle | James | 15.00 | 6.00 | 274,100 | 0.50 | 22,842 |
| Powhatan Correctional Center STP | VA0020699 | Powhatan | James | 0.47 | 6.00 | 8,588 | 0.50 | 716 |
| Crewe WWTP | VA0020303 | Nottaway | James | 0.50 | 6.00 | 9,137 | 0.50 | 761 |
| Farmville WWTP | VA0083135 | Prince Edward | James | 2.40 | 6.00 | 43,856 | 0.50 | 3,655 |
| R. J. Reynolds | VA0002780 | Chesterfield | James | 2.10 | 4.00 | 25,583 | 0.30 | 1,919 |
| E. I. DuPont-Spruance | VA0004669 | Chesterfield | James | 23.33 | 2.83 | 201,080 | 0.11 | 7,816 |
| Chesterfield Co.-Falling Creek WWTP | VA0024996 | Chesterfield | James | 10.10 | 5.00 | 153,801 | 0.50 | 15,380 |
| Henrico Co. WWTP | VA0063690 | Henrico | James | 75.00 | 5.00 | 1,142,085 | 0.50 | 114,209 |
| Honeywell-Hopewell | VA0005291 | Hopewell | James | 121.00 | 2.96 | 1,090,798 | 0.14 | 51,592 |
| Hopewell RWTF | VA0066630 | Hopewell | James | 50.00 | 12.00 | 1,827,336 | 0.50 | 76,139 |
| Philip Morris USA-Park 500 | VA0026557 | Chesterfield | James | 2.90 | 15.82 | 139,724 | 0.30 | 2,650 |
| Chesterfield Co.-Proctors Creek WWTP | VA0060194 | Chesterfield | James | 27.00 | 5.00 | 411,151 | 0.50 | 41,115 |
| Richmond WWTP (1) | VA0063177 | Richmond | James | 45.00 | 8.00 | 1,096,402 | 0.50 | 68,525 |
| Dominion-Chesterfield (2) | VA0004146 | Chesterfield | James | | | 352,036 | | 210 |
| So. Central Wastewater Authority WWTF | VA0025437 | Petersburg | James | 23.00 | 5.00 | 350,239 | 0.50 | 35,024 |
| Chickahominy WWTP | VA0088480 | New Kent | James | 0.41 | 5.00 | 6,167 | 0.10 | 123 |
| Tyson Foods-Glen Allen | VA0004031 | Hanover | James | 1.07 | 6.00 | 19,552 | 0.10 | 326 |
| HRSD-Boat Harbor STP (3) | VA0081256 | Newport News | James | 25.00 | | 740,000 | 1.00 | 76,139 |
| HRSD-James River STP (3) | VA0081272 | Newport News | James | 20.00 | | 1,250,000 | 1.00 | 60,911 |
| HRSD-Williamsburg STP (3) | VA0081302 | James City | James | 22.50 | | 800,000 | 1.00 | 68,525 |
| HRSD-Nansemond STP (3) | VA0081299 | Suffolk | James | 30.00 | | 750,000 | 1.00 | 91,367 |
| HRSD-Army Base STP (3) | VA0081230 | Norfolk | James | 18.00 | | 610,000 | 1.00 | 54,820 |
| HRSD-VIP WWTP (3) | VA0081281 | Norfolk | James | 40.00 | | 750,000 | 1.00 | 121,822 |
| J.H. Miles & Co. | VA0003263 | Norfolk | James | 0.35 | 202.16 | 153,500 | 28.32 | 21,500 |
| HRSD-Chesapeake/Elizabeth STP (3) | VA0081264 | Virginia Beach | James | 24.00 | | 1,100,000 | 1.49 | 108,674 |
| 39 | | | **James Totals =** | **669.84** | | **14,901,739** | | **1,354,292** |

**Notes:**

(1) Waste load allocations for localities served by combined sewers are based on dry weather design flow capacity. During wet weather flow events the discharge shall achieve a TN concentration of 8.0 mg/l and a TP concentration of 1.0 mg/l

(2) Waste load allocations are "net" loads, based on the portion of the nutrient discharge introduced by the facility's process waste streams, and not originating in raw water intake.

(3) Hampton Roads Sanitation District TN Waste Load Allocation: total nitrogen waste load allocation based on an aggregate figure of 6.0 million pounds per year for HRSD James Basin facilities.