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Title of Regulation: 9 VAC 25-420. James River 3(C) Wastewater Management Plan Peninsula Area (REPEALED).

Title of Regulation: 9 VAC 25-430. Roanoke River Basin Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-440. Upper Roanoke River Subarea Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-450. Upper James River Basin Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-452. Upper James-Jackson River Subarea Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-460. Metropolitan/Regional Water Quality Management Plan for Northern Neck Planning District (No. 17) (REPEALED).

Title of Regulation: 9 VAC 25-470. York River Basin Water Quality Management Plan. (REPEALED).

Title of Regulation: 9 VAC 25-480. Tennessee and Big Sandy River Basins Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-490. Rappahannock Area Development Commission (RADCO) 208 Areawide Waste Treatment Management Plan and Potomac-Shenandoah River Basin 303(E) Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-500. State Water Quality Management Plan for the Fifth Planning District (REPEALED).

Title of Regulation: 9 VAC 25-510. Water Quality Management Plan for the Southwest Virginia 208 Planning Area (REPEALED).

Title of Regulation: 9 VAC 25-520. Water Quality Management Plan for the First Tennessee-Virginia Development District (REPEALED).

Title of Regulation: 9 VAC 25-530. Water Quality Management Plan for the Hampton Roads Planning Area (Planning Districts 20 & 21) (REPEALED).

Title of Regulation: 9 VAC 25-540. Water Quality Management Plan for the New River Basin (REPEALED).

Title of Regulation: 9 VAC 25-550. Small Coastal River Basins and Chesapeake Bay Virginia Eastern Shore Portion Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-560. Potomac-Shenandoah River Basin Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-570. Richmond-Crater Interim Water Quality Management Plan (REPEALED).

Title of Regulation: 9 VAC 25-572. Water Quality Management Plans (REPEALED).

Title of Regulation: 9 VAC 25-720. Water Quality Management Planning ~~Public Participation Guidelines~~ Regulation.

CHAPTER 720.WATER QUALITY MANAGEMENT PLANNING REGULATION.9 VAC 25-720-10. Definitions.

The following words and terms when used in this chapter shall have the following meanings unless the context clearly indicates otherwise:

"Assimilative capacity" means the greatest amount of loading that a water can receive without violating water quality standards, significantly degrading waters of existing high quality, or interfering with the beneficial use of state waters.

"Best management practices (BMP)" means a schedule of activities, prohibition of practices, maintenance procedures and other management practices to prevent or reduce the pollution of state waters. BMPs include treatment requirements, operating and maintenance procedures, schedule of activities, prohibition of activities, and other management practices to control plant site runoff, spillage, leaks, sludge or waste disposal, or drainage from raw material storage.

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"Best practicable control technology currently available (BPT)" means control measures required of point source discharges (other than POTWs) as determined by the EPA pursuant to § 304(b)(1) of the CWA (33 USC §1251 et seq.) as of 1987.

"Board" means the State Water Control Board (SWCB).

"Clean Water Act or Act (CWA)" means 33 USC § 1251 et seq. as amended, as of 1987.

"Discharge" means when used without qualification, a discharge of a pollutant or any addition of any pollutant or combination of pollutants to state waters or waters of the contiguous zone or ocean or other floating craft when being used for transportation.

"Effluent limitation" means any restriction imposed by the board on quantities, discharge rates or concentrations of pollutants that are discharged from joint sources into state waters.

"Effluent limitation guidelines" means a regulation published by EPA under the Act and adopted by the board.

"Effluent limited segment (EL)" means a stream segment where the water quality does and probably will continue to meet state water quality standards after the application of technology-based effluent limitations required by §§ 301(b) and 306 of the CWA (33 USC § 1251 et seq.) as of 1987.

"Environmental Protection Agency (EPA)" means the United States Environmental Protection Agency.

"Load or loading" means the introduction of an amount of matter or thermal energy into a receiving water. Loading may be either man-caused (pollutant loading) or natural (background loading).

"Load allocation (LA)" means the portion of a receiving water's loading capacity attributable either to one of its existing or future nonpoint sources of pollution or to natural background sources. Load allocations are best estimates of the loading, which may range from accurate estimates to gross allotments, depending on the availability of data and appropriate techniques for predicting the loading. Wherever possible, natural and nonpoint source loads should be distinguished.

"Nonpoint source" means a source of pollution, such as a farm or forest land runoff, urban storm water runoff, mine runoff, or salt water intrusion that is not collected or discharged as a point source.

"Point source" means any discernible, defined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock vessel or other floating craft, from which pollutants are or may be discharged. This term does not include return flows from irrigated agricultural land.

"Pollutant" means any substance, radioactive material, or heat that causes or contributes to, or may cause or contribute to, pollution. It does not mean:

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a. Sewage from vessels; or

b. Water, gas, or other material that is injected into a well to facilitate production of oil, dry gas, or water derived in association with oil or gas production and disposed of in a well, if the well is used either to facilitate production or for disposal purposes if approved by the Department of Mines, Minerals and Energy unless the board determines that such injection or disposal will result in the degradation of ground or surface water resources.

"Pollution" means such alteration of the physical, chemical or biological properties of any state waters as will or is likely to create a nuisance or render such waters (i) harmful or detrimental or injurious to the public health, safety or welfare, or to the health of animals, fish or aquatic life; (ii) unsuitable with reasonable treatment for use as present or possible future sources of public water supply; or (iii) unsuitable for recreational, commercial, industrial, agricultural, or other reasonable uses; provided that: (a) an alteration of the physical, chemical, or biological property of state waters, or a discharge or deposit of sewage, industrial wastes or other wastes to state waters by any owner, which by itself is not sufficient to cause pollution, but which, in combination with such alteration of or discharge or deposit to state waters by other owners is sufficient to cause pollution; (b) the discharge of untreated sewage by any owner into state waters; and (c) contributing to the contravention of standards of water quality duly established by the board, are "pollution" for the terms and purposes of this water quality management plan.

"Publicly owned treatment works (POTW)" means any sewage treatment works that is owned by a state or municipality. Sewers, pipes, or other conveyances are included in this definition only if they convey wastewater to a POTW providing treatment.

"State waters" means all waters, on the surface and under the ground and wholly or partially within or bordering the Commonwealth or within its jurisdiction, including wetlands.

"Surface water" means all waters in the Commonwealth except ground waters as defined in § 62.1-255 of the Code of Virginia.

"Total maximum daily load (TMDL)" means the sum of the individual waste load allocations (WLAs) for point sources, load allocations (LAs) for nonpoint sources, natural background loading and usually a safety factor. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure. The TMDL process provides for point versus nonpoint source trade-offs.

"Toxic pollutant" means any agent or material including, but not limited to, those listed under § 307(a) of the CWA (33 USC § 1251 et seq. as of 1987), which after discharge will, on the basis of available information, cause toxicity.

"Toxicity" means the inherent potential or capacity of a material to cause adverse effects in a living organism, including acute or chronic effects to aquatic life, detrimental effects on human health or other adverse environmental effects.

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"Virginia Pollution Discharge Elimination System (VPDES) permit" means a document issued by the board, pursuant to 9 VAC 25-30, authorizing, under prescribed conditions, the potential or actual discharge of pollutants from a point source to surface waters.

"Waste load allocation (WLA)" means the portion of a receiving water's loading or assimilative capacity allocated to one of its existing or future point sources of pollution. WLAs are a type of water quality-based effluent limitation.

"Water quality limited segment (WQL)" means any stream segment where the water quality does not or will not meet applicable water quality standards, even after the application of technology-based effluent limitations required by §§ 301(b) and 306 of the CWA (33 USC § 1251 et seq. as of 1987).

"Water quality management plan (WQMP)" means a state- or area-wide waste treatment management plan developed and updated in accordance with the provisions of §§ 205(j), 208 and 303 of the CWA (33 USC § 1251 et seq. as of 1987).

"Water quality standards (WQS)" means narrative statements that describe water quality requirements in general terms, and of numeric limits for specific physical, chemical, biological or radiological characteristics of water. These narrative statements and numeric limits describe water quality necessary to meet and maintain reasonable and beneficial uses such as swimming and other water based recreation, public water supply and the propagation and growth of aquatic life. The adoption of water quality standards under the State Water Control Law is one of the board's methods of accomplishing the law's purpose.

9 VAC 25-720-20. Purpose.

The purpose of this regulation is to list by major river basin the following:

EPA-approved and board-adopted total maximum daily loads (TMDLs) and the stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations contained in the existing water quality management plans (WQMPs).

9 VAC 25-720-30. (Reserved)**9 VAC 25-720-40. (Reserved)****9 VAC 25-720-50. Potomac - Shenandoah River Basin.**

A. Total maximum daily load (TMDLs).

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B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - POTOMAC RIVER SUB-BASIN RECOMMENDED SEGMENT CLASSIFICATIONS

<u>SEGMENT NUMBER</u>	<u>DESCRIPTION OF SEGMENT</u>	<u>MILE TO MILE</u>	<u>CLASSIFICATION</u>
<u>1-23</u>	<u>Potomac River tributaries from the Virginia-West Virginia state line downstream to the boundary of the Dulles Area Watershed Policy</u>	<u>176.2 – 149.0</u>	<u>WQ</u>
<u>1-24</u>	<u>Potomac River tributaries located within the boundaries of the Dulles Area Watershed Policy</u>	<u>149.0 – 118.4</u>	<u>WQ</u>
<u>1-25</u>	<u>Potomac River tributaries from the downstream limit of the Dulles Area Watershed Policy to Jones Point</u>	<u>118.4 – 107.6</u>	<u>WQ</u>
<u>1-26</u>	<u>Potomac River tributaries from Jones Point downstream to Route 301 bridge</u>	<u>107.6 – 50.2</u>	<u>WQ</u>
<u>1-27</u>	<u>All Streams included in the Occoquan Watershed Policy</u>	<u>_____</u>	<u>WQ</u>
<u>1-28</u>	<u>Potomac tributaries from Route 301 bridge downstream to the mouth of the Potomac River</u>	<u>5 – 0.0</u>	<u>EL</u>

TABLE B2 – POTOMAC RIVER SUB-BASIN - RECOMMENDED PLAN FOR WASTEWATER FACILITIES

<u>FACILITY NUMBER</u>	<u>NAME</u>	<u>RECEIVING STREAM</u>	<u>RECOMMENDED ACTION</u>	<u>SIZE</u>	<u>TREATMENT LEVEL (4)</u>	<u>BOD₅</u>	<u>QUD</u>	<u>TKN</u>	<u>P</u>	<u>INSTITUTIONAL ARRANGEMENT</u>
<u>1</u>	<u>Hillsboro</u>	<u>North Fork Catoclin Creek WQ (1 –23)</u>	<u>Construct new facility</u>	<u>.043⁽²⁾</u>	<u>AWT</u>	<u>7⁽⁷⁾</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Loudoun County Sanitation Authority (LCSA)</u>
<u>2</u>	<u>Middleburg</u>	<u>Wancopin Creek WQ [(1 –23)]</u>	<u>Construct new facility; abandon old facility</u>	<u>.135</u>	<u>AST</u>	<u>14⁽⁵⁾</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>LCSA</u>

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<u>3</u>	<u>Middleburg</u> <u>East and West</u>	<u>Unnamed tributary</u> <u>to Goose Creek WQ</u> <u>(1-23)</u>	<u>Abandon- pump</u> <u>to new facility</u>							
<u>4</u>	<u>Round Hill</u>	<u>North Fork Goose</u> <u>Creek</u>	<u>No further action</u> <u>recommended</u>	<u>.2</u>	<u>AWT</u>	<u>10⁽⁵⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>Town of Round</u> <u>Hill</u>
<u>5</u>	<u>St. Louis</u>	<u>Beaver Dam Creek</u> <u>WQ (1-23)</u>	<u>Construct new</u> <u>facility</u>	<u>.086</u>	<u>AST</u>	<u>20⁽⁵⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>LSCA</u>
<u>6</u>	<u>Waterford</u>	<u>South Fork Catoctin</u> <u>Creek WQ (1-23)</u>	<u>No further action</u> <u>recommended</u>	<u>.058</u>	<u>AST</u>	<u>24⁽⁵⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>LSCA</u>
<u>7</u>	<u>Hamilton</u>	<u>Unnamed tributary</u> <u>to South Fork of</u> <u>Catoctin Creek WQ</u> <u>(1-23)</u>	<u>Upgrade and or</u> <u>expand</u>	<u>.605⁽²⁾</u>	<u>AWT</u>	<u>7⁽⁷⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>Town of</u> <u>Hamilton</u>
<u>8</u>	<u>Leesburg</u>	<u>Tuscarora Creek (1-</u> <u>24)</u>	<u>Upgrade and or</u> <u>expand</u>	<u>2.5</u>	<u>AWT</u>	<u>1⁽⁹⁾</u>	<u>:</u>	<u>1</u>	<u>0.1</u>	<u>Town of</u> <u>Leesburg</u>
<u>9</u>	<u>Lovettesville</u>	<u>Dutchman Creek</u> <u>WQ (1-23)</u>	<u>Upgrade and or</u> <u>expand</u>	<u>.269⁽²⁾</u>	<u>AWT</u>	<u>7⁽⁷⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>Town of</u> <u>Lovetteville</u>
<u>10</u>	<u>Purcellville</u>	<u>Unnamed tributary</u> <u>to North Fork Goose</u> <u>Creek WQ (1-23)</u>	<u>No further action</u> <u>recommended</u>	<u>.5</u>	<u>AST</u>	<u>15⁽⁵⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>Town of</u> <u>Purcellville</u>
<u>11</u>	<u>Paeonian</u> <u>Springs</u>	<u>Unnamed tributary</u> <u>to South Fork of</u> <u>Catoctin Creek WQ</u> <u>(1-23)</u>	<u>Construct new</u> <u>facility</u>	<u>.264⁽²⁾</u>	<u>AWT</u>	<u>7⁽⁷⁾</u>	<u>:</u>	<u>:</u>	<u>:</u>	<u>LCSA</u>
<u>12</u>	<u>Cedar Run</u> <u>Regional</u>	<u>Walnut Branch or</u> <u>Kettle Run WQ (1-</u> <u>27)</u>	<u>Construct new</u> <u>facility</u>	<u>1.16⁽²⁾</u>	<u>AWT</u>	<u>1⁽⁶⁾</u>	<u>:</u>	<u>1</u>	<u>0.1</u>	<u>Fauquier County</u> <u>Sanitation</u> <u>Authority</u>
<u>13</u>	<u>Vint Hill Farms</u>	<u>South Run (1-27)</u>	<u>Upgrade and/or</u> <u>expand</u>	<u>.246</u>	<u>AST</u>	<u>14⁽⁵⁾</u>	<u>:</u>	<u>:</u>	<u>2.5</u>	<u>U.S. Army</u>

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<u>14</u>	<u>Arlington</u>	<u>Four Mile Run WQ (1-25)</u>	<u>Upgrade and/or expand</u>	<u>30⁽³⁾</u>	<u>AWT</u>	<u>3⁽⁸⁾</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>Arlington County</u>
<u>15</u>	<u>Alexandria</u>	<u>Hunting Creek WQ (1-26)</u>	<u>Upgrade and/or expand</u>	<u>54</u>	<u>AWT</u>	<u>3⁽⁸⁾</u>	<u>-</u>	<u>1</u>	<u>.02</u>	<u>Alexandria Sanitation Authority</u>
<u>16</u>	<u>Westgate</u>	<u>Potomac River WQ (1-26)</u>	<u>Abandon- pump to Alexandria</u>							
<u>17</u>	<u>Lower Potomac</u>	<u>Pohick Creek WQ (1-26)</u>	<u>Upgrade and/or expand</u>	<u>36(3)</u>	<u>AWT</u>	<u>3/8</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>Fairfax County</u>
<u>18</u>	<u>Little Hunting Creek</u>	<u>Little Hunting Creek WQ (1-26)</u>	<u>Abandon- pump to Lower Potomac</u>							
<u>19</u>	<u>Doque Creek</u>	<u>Doque Creek WQ (1-26)</u>	<u>Abandon- pump to Lower Potomac</u>							
<u>20</u>	<u>Fort Belvoir 1 and 2</u>	<u>Doque Creek WQ (1-26)</u>	<u>Abandon- pump to Lower Potomac</u>							
<u>21</u>	<u>Lorton</u>	<u>Mills Branch WQ (1-26)</u>	<u>Upgrade and/or expand</u>	<u>1.0</u>	<u>AWT</u>	<u>3⁽¹¹⁾</u>	<u>-</u>	<u>1</u>	<u>0.1</u>	<u>District of Columbia</u>
<u>22</u>	<u>UOSA</u>	<u>Tributary to Bull Run WQ (1-27)</u>	<u>Expanded capacity by 5 mgd increments</u>	<u>10.9⁽³⁾</u>	<u>AWT</u>	<u>1⁽⁶⁾</u>	<u>-</u>	<u>1</u>	<u>0.1</u>	<u>USOA</u>
<u>23</u>	<u>Gainesville Haymarket</u>	<u>Tributary Rock Branch WQ (1-27)</u>	<u>Abandon Pump to UOSA</u>							

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<u>24</u>	<u>Potomac</u> <u>(Mooney)</u>	<u>Neabsco Creek WQ</u> <u>(1-26)</u>	<u>Construct new</u> <u>facility</u>	<u>12⁽³⁾</u>	<u>AWT</u>	<u>3⁽⁶⁾</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>Occoquan-</u> <u>Woodbridge</u> <u>Dumfries-</u> <u>Triangle</u> <u>Sanitary District</u>
<u>25</u>	<u>Belmont</u>	<u>Marumsco Creek</u> <u>WQ (1-26)</u>	<u>Abandon- pump</u> <u>to Potomac</u>							
<u>26</u>	<u>Featherstone</u>	<u>Farm Creek WQ (1-</u> <u>26)</u>	<u>Abandon- pump</u> <u>to Potomac</u>							
<u>27</u>	<u>Neabaco</u>	<u>Neabsco Creek WQ</u> <u>(1-26)</u>	<u>Abandon- pump</u> <u>to Potomac</u>							
<u>28</u>	<u>Dumfries</u>	<u>Quantico Creek WQ</u> <u>(1-26)</u>	<u>Abandon- pump</u> <u>to Potomac</u>							
<u>29</u>	<u>Dale City #1</u>	<u>Neabsco Creek WQ</u> <u>(1-26)</u>	<u>Upgrade and /or</u> <u>expand</u>	<u>4.0</u>	<u>AWT</u>	<u>3⁽⁶⁾</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>Dale Service</u> <u>Corporation</u> <u>(DSC)</u>
<u>30</u>	<u>Dale City #8</u>	<u>Neabsco Creek WQ</u> <u>(1-26)</u>	<u>Upgrade and /or</u> <u>expand</u>	<u>2.0</u>	<u>AWT</u>	<u>3⁽⁶⁾</u>	<u>1</u>	<u>1</u>	<u>0.2</u>	<u>DSC</u>
<u>31</u>	<u>Quantico</u> <u>Mainside</u>	<u>Potomac River WQ</u> <u>(1-26)</u>	<u>Upgrade and /or</u> <u>expand</u>	<u>2.0</u>	<u>AWT</u>	<u>3⁽⁶⁾</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>U.S. Marine</u> <u>Corps</u>
<u>32</u>	<u>Aquia Creek</u>	<u>Austin Run WQ (1-</u> <u>26)</u>	<u>Construct new</u> <u>facility</u>	<u>3.0</u>	<u>AWT</u>	<u>3⁽⁶⁾</u>	<u>-</u>	<u>1</u>	<u>0.2</u>	<u>Aquia Sanitary</u> <u>District</u>
<u>33</u>	<u>Aquia</u>	<u>Aquia Creek WQ (1-</u> <u>26)</u>	<u>Abandon- pump</u> <u>to new facility</u>							
<u>34</u>	<u>Fairview Beach</u>	<u>Potomac River</u> <u>(estuary)</u>	<u>Construct new</u> <u>facility</u>	<u>.05</u>	<u>Secondary</u>	<u>Secon</u> <u>dary</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Fairview Beach</u> <u>Sanitary District</u>
<u>35</u>	<u>Dahlgren</u>	<u>Upper Machodoc</u> <u>Creek WQ (1-28)</u>	<u>Upgrade and /or</u> <u>[expand]</u>	<u>.2</u>	<u>Secondary</u>	<u>Secon</u> <u>dary</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Dahlgren</u> <u>Sanitary District</u>

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36	<u>Colonial Beach</u>	<u>Monroe Creek</u> EL (1-28)	<u>No further action recommended</u>	<u>.85</u>	<u>Secondary</u>	<u>28⁽⁵⁾</u> <small>(13)</small>				<u>Town of Colonial Beach</u>
37	<u>Machodoc</u> <u>Kinsale</u>		<u>Construct new facility</u>	<u>.89</u>	<u>Secondary & Spray Irrigation</u>	<u>48⁽¹⁰⁾</u> <small>(13)</small>	-	-	-	<u>Machodoc Kinsale Sanitary District</u>
38	<u>Callao</u>		<u>Construct new facility</u>	<u>.25</u>	<u>Secondary & Spray Irrigation</u>	<u>48⁽¹⁰⁾</u> <small>(13)</small>	-	-	-	<u>Callao Sanitary District</u>
39	<u>Heathsville</u>		<u>Construct new facility</u>	<u>.10</u>	<u>Secondary & Spray Irrigation</u>	<u>48⁽¹⁰⁾</u> <small>(13)</small>	-	-	-	<u>Heathsville Sanitary District</u>
40	<u>King George</u> <u>Courthouse</u>	<u>Pine Creek</u>	<u>Construct new facility</u>	<u>.039</u>	<u>Secondary</u>	<u>30⁽¹³⁾</u>	-	-	-	<u>King George County</u>

TABLE B2 - NOTES: POTOMAC RIVER SUB-BASIN - RECOMMENDED PLAN FOR WASTEWATER TREATMENT FACILITIES

⁽¹⁾ Year 2000 design flow 201 Facility Plan, P.L. 92-500, unless otherwise noted.

⁽²⁾ Year 2000 average flow from Potomac/Shenandoah 303(e) Plans, Vol V-A Appendix, 1975 pp. B-33-B-44.

⁽³⁾ Future expansion at unspecified date.

⁽⁴⁾ Secondary treatment : 24-30 mg/l BOD₅, advanced secondary treatment (AST): 11-23 mg/l, advanced wastewater treatment (AWT): <10mg/l BOD₅. A range is given to recognize that various waste treatment processes have different treatment efficiencies.

⁽⁵⁾ Effluent limits calculated using mathematical modeling.

⁽⁶⁾ Effluent limits based on Occoquan Watershed Policy, presented under reevaluation.

⁽⁷⁾ Effluent limits based on treatment levels established by the Potomac/Shenandoah 303(e) Plan, Vol. V-A 1975, p. 237, to protect low flow streams and downstream water supply.

⁽⁸⁾ Effluent limits based on Potomac River Embayment Standards, presently under reevaluation. Nitrogen removal limits deferred until reevaluation is complete.

⁽⁹⁾ Effluent limits based on Dulles Watershed Policy, recommended for reevaluation. Interim effluent limits of 12 mg/l BOD₅ and 20 mg/l Suspended Solids will be met until the Dulles Area Watershed Standards are reevaluated.

⁽¹⁰⁾ Effluent limits based on Virginia Sewerage Regulation, Section 33.02.01.

⁽¹¹⁾ Interim effluent limits of 30 mg/l BOD₅, 30mg/l Suspended Solids, and 4 mg/l Phosphorus, will be effective until average daily flows exceeds 0.75 MGD. At greater flows than 0.75 MGD, the effluent limitations will be defined by the Potomac Embayment Standards.

⁽¹²⁾ Secondary treatment is permitted for this facility due to the the extended outfall into the main stem of the Potomac River.

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⁽¹³⁾ This facility was also included in the Rappahannock Area Development Commission (RADCO) 208 Areawide Waste Treatment Management Plan and Potomac-Shenandoah River Basin 303 (e) Water Quality Management Plan.

TABLE B3 - SHENANDOAH RIVER SUB-BASIN RECOMMENDED SEGMENT CLASSIFICATIONS

<u>SEGMENT NUMBER</u>	<u>DESCRIPTION OF SEGMENT</u>	<u>MILE TO MILE</u>	<u>CLASSIFICATION</u>
<u>1-1</u>	<u>North River-main stream and tributaries excluding segments 1-1a, 1-1b</u>	<u>56.4-0.0</u>	<u>EL</u>
<u>1-1a</u>	<u>Muddy Creek-main stream and War Branch, RM 0.1-0.0</u>	<u>3.7 - 1.7</u>	<u>WQ</u>
<u>1-1b</u>	<u>North River-main stream</u>	<u>16.1 - 4.6</u>	<u>WQ</u>
<u>1-2</u>	<u>Middle River-main stream and tributaries excluding segments 1-2a, 1-2b</u>	<u>69.9 - 0.0</u>	<u>EL</u>
<u>1-2a</u>	<u>Middle River-main stream</u>	<u>29.5 - 17.9</u>	<u>WQ</u>
<u>1-2b</u>	<u>Lewis Creek-main stream</u>	<u>9.6 - 0.0</u>	<u>WQ</u>
<u>1-3</u>	<u>South River-main stream and tributaries excluding segment 1-3a</u>	<u>52.2 - 0.0</u>	<u>EL</u>
<u>1-4</u>	<u>South Fork Shenandoah-main stream and tributaries excluding segments 1-4a, 1-4b, 1-4c</u>	<u>102.9 - 0.0</u>	<u>EL</u>
<u>1-4a</u>	<u>South Fork Shenandoah-main stream</u>	<u>88.1 - 78.2</u>	<u>WQ</u>
<u>1-4b</u>	<u>Hawksbill Creek-main stream</u>	<u>6.20 - 0.0</u>	<u>WQ</u>
<u>1-4c</u>	<u>Quail Run-main stream</u>	<u>5.2 - 3.2</u>	<u>WQ</u>
<u>1-5</u>	<u>North Fork Shenandoah- main stream and tributaries excluding segment 1-5a, 1-5h</u>	<u>108.9 - 0.0</u>	<u>EL</u>
<u>1-5a</u>	<u>Stony Creek-main stream</u>	<u>19.9 - 14.9</u>	<u>WQ</u>
<u>1-5b</u>	<u>North Fork Shenandoah-main stream</u>	<u>89.0 - 81.4</u>	<u>WQ</u>
<u>1-6</u>	<u>Shenandoah River-main stream and tributaries excluding segments 1-6a, 1-6b</u>	<u>57.4 - 19.8</u>	<u>EL</u>
<u>1-6a</u>	<u>Stephens Run-main stream</u>	<u>8.3 - 0.0</u>	<u>WQ</u>

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<u>1-6b</u>	<u>Dog Run-main stream</u>	<u>5.2 - 0.0</u>	<u>WQ</u>
<u>1-7</u>	<u>Opequon Creek-main stream and tributaries excluding segments 1-7a, 1-7b</u>	<u>54.9 - 23.6</u>	<u>EL</u>
<u>1-7a</u>	<u>Opequon Creek-main stream</u>	<u>32.3 - 23.6</u>	<u>WQ</u>
<u>1-7b</u>	<u>Abrams Creek-main stream</u>	<u>8.7 - 0.0</u>	<u>WQ</u>
<u>1-8</u>	<u>All Virginia streams upstream of Opequon-Potomac confluence that have headwaters in Frederick County</u>	<u>--</u>	<u>EL</u>
<u>1-9</u>	<u>All Virginia streams upstream of Opequon-Potomac confluence that have headwaters in Highland County</u>	<u>--</u>	<u>EL</u>

* R.M. = River Mile, measured from the river mouth

TABLE B4 - SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN FOR SELECTED INDUSTRIAL WASTEWATER TREATMENT FACILITIES

<u>FACILITY NUMBER</u>	<u>NAME⁽¹⁾</u>	<u>INDUSTRIAL CATEGORY</u>	<u>RECEIVING STREAM CLASSIFICATION</u>	<u>RECOMMENDED WASTELOAD ALLOCATION⁽²⁾</u>			<u>COMPLIANCE SCHEDULE</u>
				<u>BOD₅</u>	<u>TKN</u>	<u>NH₃-N</u>	
<u>1</u>	<u>Wampler</u>	<u>Food Processing</u>	<u>War Branch WQ (1-1a)</u>	<u>84⁽³⁾</u>	<u>-</u>	<u>-</u>	<u>None</u>
<u>6</u>	<u>Wayn-Tex</u>	<u>Plastic and Synthetic Materials Mfg.*</u>	<u>South River WQ (1-3a)</u>	<u>44⁽⁵⁾</u>	<u>-</u>	<u>-</u>	<u>None</u>
<u>7</u>	<u>DuPont</u>	<u>Plastic and Synthetic Materials Mfg.*</u>	<u>South River WQ (1-3a)</u>	<u>600</u>	<u>-</u>	<u>50</u>	<u>None</u>
<u>8</u>	<u>Crompton-Shenandoah</u>	<u>Textile Mills*</u>	<u>South River WQ (1-3a)</u>	<u>60</u>	<u>173⁽⁴⁾</u>	<u>88</u>	<u>None</u>
<u>10</u>	<u>General Electric</u>	<u>Electroplating*</u>	<u>South River WQ (1-3a)</u>	<u>BPT Effluent Limits</u>			<u>None</u>
<u>12</u>	<u>Merck</u>	<u>Miscellaneous Chemicals (Pharmaceutical)*</u>	<u>S. F. Shenandoah River WQ (1-4a)</u>	<u>3454</u>	<u>2846</u>	<u>1423</u>	<u>Consent Order</u>

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17	VOTAN	Leather, Tanning and Finishing*	Hawksbill Creek WQ (I-4b)	240	75	-	None
21	National Fruit	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
22	Rockingham Poultry	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
23	Shen-Valley Meat Packers	Food Processing	N. F. Shenandoah River WQ (1-5b)	(6)	(6)	(6)	None
35	O'Sullivan	Rubber Processing* Machinery and Mechanical Products Manufacturing	Abrams Creek WQ (I-7b)	BPT Effluent Limits			None

TABLE B4 - NOTES: SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN SELECTED INDUSTRIAL WASTEWATER TREATMENT FACILITIES

(1) An * identifies those industrial categories that are included in EPA's primary industry classification for which potential priority toxic pollutants have been identified.

(2) Allocation (lb/d) based upon 7Q10 stream flow. Tiered permits may allow greater wasteloads during times of higher flow. BPT = Best Practicable Technology.

(3) A summer 1979 stream survey has demonstrated instream D.O. violations. Therefore, the identified wasteload allocation is to be considered as interim and shall be subject to further analysis.

(4) The NPDES permit does not specify TKN but does specify organic-N of 85 lb/d. TKN is the sum of NH -N and organic -N.

(5) This allocation is based upon a flow of 0.847 MGD.

(6) The total assimilative capacity for segment WQ (1-5b) will be developed from an intensive stream survey program and development of an appropriate calibrated and verified model. Wasteload allocations for National Fruit, Rockingham Poultry and Shen-Valley will be determined after the development of the calibrated and verified model and the determination of the segment's assimilative capacity.

TABLE B5 - SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN FOR SELECTED MUNICIPAL WASTEWATER TREATMENT FACILITIES

FACILITY NUMBER	NAME	RECOMMENDED RECEIVING STREAM	FACILITY			WASTELOAD ALLOCATION ⁽³⁾ lb/d BOD ₅	INSTITUTIONAL ARRANGEMENT	COMPLIANCE ⁽⁴⁾ SCHEDULE
			RECOMMENDED ACTION	SIZE ⁽¹⁾	TREATMENT ⁽²⁾ LEVEL			

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<u>2</u>	<u>Harrisonburg</u> <u>Rockingham</u> <u>Reg. Sewer</u> <u>Auth.</u>	<u>North River WQ (1-1)</u>	<u>Correct I/I</u>	<u>12.0⁽⁵⁾</u>	<u>AST</u>	<u>2,000⁽⁶⁾</u>	<u>Harrisonburg- Rockingham Regional Sewer Authority</u>	<u>None</u>
<u>3</u>	<u>Verona</u>	<u>Middle River WQ (1-2a)</u>	<u>Construct new facility, abandon old plant, correct I/I</u>	<u>0.8</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Augusta County Service Authority</u>	<u>July 1, 1983</u>
<u>4</u>	<u>Staunton</u>	<u>Middle River WQ (1-2a)</u>	<u>Upgrade, provide outfall to Middle River, correct I/I</u>	<u>4.5</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>City of Staunton</u>	<u>July 1, 1983</u>
<u>5</u>	<u>Fishersville</u>	<u>Christians Creek EL (1-2)</u>	<u>No further action recommended</u>	<u>2.0</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Augusta County Service Authority</u>	<u>None</u>
<u>9</u>	<u>Waynesboro</u>	<u>South River WQ (1-3a)</u>	<u>Upgrade, correct I/I</u>	<u>4.0</u>	<u>AWT with nitrification</u>	<u>250⁽⁵⁾</u>	<u>City of Waynesboro</u>	<u>July 1, 1983</u>
<u>11</u>	<u>Grottoes</u>	<u>South River EL (1-3)</u>	<u>Construct new facility</u>	<u>0.225</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Grottoes</u>	<u>No existing facility</u>
<u>13</u>	<u>Elkton</u>	<u>S.F. Shenandoah River WQ (1-4a)</u>	<u>Construct new facility, abandon old plant</u>	<u>0.4</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Elkton</u>	<u>July 1, 1983</u>
	<u>Massanutten Public Service Corporation</u>	<u>Quail Run WQ (1-4c)</u>	<u>No further action recommended</u>	<u>1.0</u>	<u>AWT</u>	<u>84.0</u>	<u>Private</u>	<u>None</u>
<u>15</u>	<u>Shenandoah</u>	<u>S.F. Shenandoah River EL (1-4)</u>	<u>Upgrade, expand, correct I/I</u>	<u>0.35</u>	<u>Secondary</u>	<u>Secondary limits</u>	<u>Town of Shenandoah</u>	<u>No existing facility</u>
<u>16</u>	<u>Stanley</u>	<u>S.F. Shenandoah River EL (1-4)</u>	<u>Construct new facility</u>	<u>0.3</u>	<u>Secondary</u>	<u>Secondary limits</u>	<u>Town of Stanley</u>	<u>No existing facility</u>
<u>18</u>	<u>Luray</u>	<u>Hawksbill Creek WQ (1-4b)</u>	<u>Construct new facility, abandon old plant, correct I/I</u>	<u>0.8</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Luray</u>	<u>July 1, 1983</u>
<u>19</u>	<u>Front Royal</u>	<u>Shenandoah River EL (1-6)</u>	<u>Construct new facility, abandon old plant, correct I/I</u>	<u>2.0</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Front Royal</u>	<u>July 1, 1983</u>

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<u>20</u>	<u>Broadway</u>	<u>N.F. Shenandoah River WQ (1-5b)</u>	<u>Upgrade, expand, investigate I/I</u>	<u>(6)</u>	<u>(6)</u>	<u>(6)</u>	<u>Town of Broadway</u>	<u>July 1, 1983</u>
<u>24</u>	<u>Timberville</u>	<u>N.F. Shenandoah River WQ (1-5b)</u>	<u>Upgrade, expand, investigate I/I</u>	<u>(6)</u>	<u>(6)</u>	<u>(6)</u>	<u>Town of Timberville</u>	<u>July 1, 1983</u>
<u>25</u>	<u>New Market</u>	<u>N.F. Shenandoah River EL (1-5)</u>	<u>Upgrade, investigate I/I</u>	<u>0.2</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of New Market</u>	<u>July 1, 1983</u>
<u>26</u>	<u>Mount Jackson</u>	<u>N.F. Shenandoah River EL (1-5)</u>	<u>Upgrade, expand, correct I/I</u>	<u>.02</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Mount Jackson</u>	<u>July 1, 1983</u>
<u>27</u>	<u>Edinburg</u>	<u>N.F. Shenandoah River EL (1-5)</u>	<u>Upgrade, expand, investigate I/I</u>	<u>0.15</u>	<u>Secondary AST</u>	<u>Secondary Limits 65</u>	<u>Town of Edinburg Public</u>	<u>July 1, 1983</u> <u>None</u>
<u>28</u>	<u>Stony Creek Sanitary District</u>	<u>River EL (1-5) Stony Creek WQ (1-5a)</u>	<u>No further action required</u>	<u>0.6</u>	<u>AST</u>	<u>6.5</u>	<u>p Public</u>	
<u>29</u>	<u>Woodstock</u>	<u>N.F. Shenandoah River EL (1-5)</u>		<u>0.5</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Woodstock</u>	<u>July 1, 1983</u>
<u>30</u>	<u>Toms Brook-Mauertown</u>	<u>Toms Brook EL (1-5)</u>	<u>Construct new facility</u>	<u>0.189</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Toms Brook</u>	<u>No existing facility</u>
<u>31</u>	<u>Strasburg</u>	<u>N.F. Shenandoah River EL (1-5)</u>	<u>Upgrade, expand, correct I/I</u>	<u>0.8</u>	<u>Secondary</u>	<u>Secondary limits</u>	<u>Town of Strasburg</u>	<u>July 1, 1983</u>
<u>32</u>	<u>Middletown</u>	<u>Meadow Brook EL (1-5)</u>	<u>Upgrade, expand</u>	<u>0.2</u>	<u>Secondary</u>	<u>Secondary</u>	<u>Town of Middletown</u>	<u>July 1, 1983</u>
<u>33</u>	<u>Stephens City Stephens Run</u>	<u>Stephens Run EL (1-6a)</u>	<u>Upgrade, expand</u>	<u>0.54</u>	<u>AST</u>	<u>72</u>	<u>Frederick-Winchester Service Authority</u>	<u>July 1, 1983</u>
<u>34</u>	<u>Berryville</u>	<u>Shenandoah River EL (1-6)</u>	<u>Upgrade, provide outfall to Shenandoah River, investigate I/I</u>	<u>0.41</u>	<u>Secondary</u>	<u>Secondary Limits</u>	<u>Town of Berryville</u>	<u>July 1, 1983</u>
<u>36</u>	<u>Frederick-Winchester Regional</u>	<u>Opequon Creek WQ(1-7a)</u>	<u>Construct new facility, abandon county and city plans, correct I/I</u>	<u>6.0</u>	<u>AWT with nitrification</u>	<u>456⁽⁷⁾</u>	<u>Frederick-Winchester Service Authority</u>	<u>July 1, 1983</u>

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37	Monterey	West Strait Creek EL (1-9)	Upgrade, correct I/I	0.075	Secondary	Secondary Limits	Town of Monterey	July 1, 1983
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TABLE B5 - NOTES: SHENANDOAH RIVER SUB-BASIN - RECOMMENDED PLAN FOR SELECTED MUNICIPAL WASTEWATER TREATMENT FACILITIES

⁽¹⁾ Year 2000 design flow (MGD) unless otherwise noted.

⁽²⁾ Secondary treatment: 24-30 mg/l BOD₅, advanced secondary treatment (AST): 11-23 mg/l BOD₅, advanced wastewater treatment (AWT): <10 mg/l BOD₅. A range is given to recognize that various waste treatment processes have different treatment efficiencies.

⁽³⁾ Recommended wasteload allocation calculated using mathematical modeling based upon 7Q10 stream flows. Tiered permits may allow greater wasteloads during periods of higher stream flows. Allocations other than BOD₅ are noted by footnote.

⁽⁴⁾ The July 1, 1983, data is a statutory deadline required by P.L. 92-500, as amended by P.L. 92-217. The timing of construction grant funding may result in some localities to miss this deadline.

⁽⁵⁾ Year 2008 design.

⁽⁶⁾ This BOD loading is based on a 7Q10 flow rate of 26.8 cfs at the HRRSA discharge.

⁽⁷⁾ NH₃-N = 50 lb/d.

⁽⁸⁾ This allocation is based on a TKN loading no greater than 84 lb/day.

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A. Total maximum daily load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - UPPER JAMES RIVER BASIN RECOMMENDED SEGMENT CLASSIFICATION

<u>Stream Name</u>	<u>Segment No.</u>	<u>Mile to Mile</u>	<u>Classification</u>	<u>Comments</u>
Maury River	2-4	80.3-0.0	E.L.	Main & tributaries
James River	2-5	271.5-266.0	W.Q.	Main only
James River	2-6	266.0-115.0	E.L.	Main & tributaries except Tye & Rivanna River
Tye River	2-7	41.7-0.0	E.L.	Main & tributaries except Rutledge Creek
Rutledge Creek	2-8	3.0-0.0	W.Q.	Main only
Piney River	2-9	20.6-0.0	E.L.	Main & tributaries

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<u>Rivanna River</u>	<u>2-10</u>	<u>20.0-0.0</u>	<u>E.L.</u>	<u>Main & tributaries</u>
<u>Rivanna River</u>	<u>2-11</u>	<u>38.1-20.0</u>	<u>W.Q.</u>	<u>Main only</u>
<u>Rivanna River</u>	<u>2-12</u>	<u>76.7-38.1</u>	<u>E.L.</u>	<u>Main & tributaries</u>
<u>S.F. Rivanna River</u>	<u>2-13</u>	<u>12.2-0.0</u>	<u>E.L.</u>	<u>Main & tributaries</u>
<u>Mechum River</u>	<u>2-14</u>	<u>23.1-0.0</u>	<u>E.L.</u>	<u>Main & tributaries</u>
<u>N.F. Rivanna River</u>	<u>2-15</u>	<u>17.0-0.0</u>	<u>E.L.</u>	<u>Main & tributaries except Standardsville Run</u>
<u>Standardsville Run</u>	<u>2-16</u>	<u>1.2-0.0</u>	<u>W.Q.</u>	<u>Main only</u>
<u>Appomattox River</u>	<u>2-17</u>	<u>156.2-27.7</u>	<u>E.L.</u>	<u>Main & tributaries except Buffalo Creek, Courthouse Branch, and Deep Creek</u>
<u>Buffalo Creek</u>	<u>2-18</u>	<u>20.9-0.0</u>	<u>E.L.</u>	<u>Main & tributaries except Unnamed Tributary @ R.M. 9.3</u>
<u>Unnamed Tributary of Buffalo Creek @ R.M. 9.3</u>	<u>2-19</u>	<u>1.3-0.0</u>	<u>W.Q.</u>	<u>Main only</u>
<u>Courthouse Branch</u>	<u>2-20</u>	<u>0.6-0.0</u>	<u>W.Q.</u>	<u>Main only</u>
<u>Deep Creek</u>	<u>2-21</u>	<u>29.5-0.0</u>	<u>E.L.</u>	<u>Main & tributaries except Unnamed Tributary @ R.M. 25.0</u>
<u>Unnamed Tributary of Deep Creek @ R.M. 25.0</u>	<u>2-22</u>	<u>2.2-0.0</u>	<u>W.Q.</u>	<u>Main only</u>

TABLE B2 - UPPER JAMES RIVER BASIN LOAD ALLOCATIONS BASED ON EXISTING DISCHARGE POINT⁷

<u>Stream Name</u>	<u>Segment Number</u>	<u>Classification</u>	<u>Mile to Mile</u>	<u>Significant Discharges</u>	<u>Total Assimilative Capacity of Stream BOD₅ lbs/day</u>	<u>Wasteload Allocation BOD₅ lbs/day²</u>	<u>Reserve BOD₅ lbs/day⁵</u>
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<u>Cedar Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>1.9-0.0</u>	<u>Natural Bridge, Inc.</u> <u>STP</u>	<u>35.0</u>	<u>28.0</u>	<u>7.0 (20%)</u>
<u>Elk Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>2.8-0.0</u>	<u>Natural Bridge</u> <u>Camp for Boys</u> <u>STP</u>	<u>7.0</u>	<u>3.3</u>	<u>3.7 (53%)</u>
<u>Little</u> <u>Calfpasture</u> <u>River</u>	<u>2-4</u>	<u>E.L.</u>	<u>10.9-4.0</u>	<u>Craigsville</u>	<u>12.0</u>	<u>9.6</u>	<u>2.4 (20%)</u>
<u>Cabin River</u>	<u>2-4</u>	<u>E.L.</u>	<u>1.7-0.0</u>	<u>Millboro</u>	<u>Self -sustaining</u>	<u>None</u>	<u>None</u>
<u>Maury River</u>	<u>2-4</u>	<u>E.L.</u>	<u>19.6-12.2</u>	<u>Lexington STP</u>	<u>380.0</u>	<u>380.0</u>	<u>None</u>
<u>Maury River</u>	<u>2-4</u>	<u>E.L.</u>	<u>12.2-1.2</u>	<u>Georgia Bonded</u> <u>Fibers</u>	<u>760.0</u>	<u>102.0³</u>	<u>238.0</u> <u>(31%)</u>
				<u>Buena Vista STP</u>		<u>420.0</u>	
<u>Maury River</u>	<u>2-4</u>	<u>E.L.</u>	<u>1.2-0.0</u>	<u>Lees Carpets</u>	<u>790.0</u>	<u>425.0³</u>	<u>290.0</u> <u>(37%)</u>
				<u>Glasgow STP</u>		<u>75.0</u>	
<u>James River</u>	<u>2-5</u>	<u>W.Q.</u>	<u>271.5-</u> <u>266.0</u>	<u>Owens-Illinois</u>	<u>4,640.0</u>	<u>4,640.0³</u>	<u>None</u>
<u>James River</u>	<u>2-6</u>	<u>E.L.</u>	<u>257.5-</u> <u>231.0</u>	<u>Lynchburg STP</u>	<u>10,100.0</u>	<u>8,000.0</u>	<u>2,060.0</u> <u>(20%)</u>
				<u>Babcock & Wilcox-</u> <u>NNFD</u>		<u>40.0³</u>	
<u>James River</u>	<u>2-6</u>	<u>E.L.</u>	<u>231.0-</u> <u>202.0</u>	<u>Virginia Fibre</u>	<u>3,500.0</u>	<u>3,500.0</u>	<u>None</u>

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<u>Rutledge Creek</u>	<u>2-8</u>	<u>W.Q.</u>	<u>3.0-0.0</u>	<u>Amherst STP</u>	<u>46.0</u>	<u>37.0</u>	<u>9.0 (20%)</u>
<u>Town Creek</u>	<u>2-7</u>	<u>E.L.</u>	<u>2.1-0.0</u>	<u>Lovington STP</u>	<u>26.0</u>	<u>21.0</u>	<u>5.0 (20%)</u>
<u>Ivy Creek</u>	<u>2-6</u>	<u>E.L.</u>	<u>0.1-0.0</u>	<u>Schuyler</u>	<u>13.8</u>	<u>11.0</u>	<u>2.8 (20%)</u>
<u>James River</u>	<u>2-6</u>	<u>E.L.</u>	<u>186.0- 179.0</u>	<u>Uniroyal, Inc.</u>	<u>1,400.0</u>	<u>19.3⁶</u>	<u>1,336.0 (95%)</u>
				<u>Scottsville STP</u>		<u>45.0</u>	
<u>North Creek</u>	<u>2-6</u>	<u>E.L.</u>	<u>3.1-0.0</u>	<u>Fork Union STP</u>	<u>31.0</u>	<u>25.0</u>	<u>6.0 (20%)</u>
<u>Howells Branch and Licking Hole Creek</u>	<u>2-14</u>	<u>E.L.</u>	<u>0.7-0.0</u>	<u>Morton Frozen Foods</u>	<u>20.0</u>	<u>20.03</u>	<u>None</u>
<u>Standardsville Run</u>	<u>2-16</u>	<u>W.Q.</u>	<u>1.2-0.0</u>	<u>Standardsville STP</u>	<u>17.9</u>	<u>14.3</u>	<u>3.6 (20%)</u>
<u>Rivanna River</u>	<u>2-11</u>	<u>W.Q.</u>	<u>23.5-20.0</u>	<u>Lake Monticello STP</u>	<u>480.0</u>	<u>380.0</u>	<u>100.0 (20%)</u>
<u>Rivanna River</u>	<u>2-10</u>	<u>E.L.</u>	<u>15.0-0.0</u>	<u>Palmyra</u>	<u>250.0</u>	<u>4.0</u>	<u>158.0 (63%)</u>
				<u>Schwarzenbach Huber</u>		<u>88.0³</u>	
<u>Unnamed Tributary of Whispering Creek</u>	<u>2-6</u>	<u>E.L.</u>	<u>1.2-0.0</u>	<u>Dillwyn STP</u>	<u>38.0</u>	<u>30.0</u>	<u>8.0 (21%)</u>

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<u>South Fork Appomattox River</u>	<u>2-17</u>	<u>E.L.</u>	<u>5.5-0.0</u>	<u>Appomattox Lagoon</u>	<u>18.8</u>	<u>15.0</u>	<u>3.8 (20%)</u>
<u>Unnamed Tributary of Buffalo Creek</u>	<u>2-19</u>	<u>W.Q.</u>	<u>1.3-0.0</u>	<u>Hampden-Sydney Coll. STP</u>	<u>10.0</u>	<u>8.0</u>	<u>2.0 (20%)</u>
<u>Appomattox River</u>	<u>2-17</u>	<u>E.L.</u>	<u>106.1-88.0</u>	<u>Farmville STP</u>	<u>280.0</u>	<u>220.0</u>	<u>60.0 (21%)</u>
<u>Unnamed Tributary of Little Guinea Creek</u>	<u>2-17</u>	<u>E.L.</u>	<u>2.5-1.3</u>	<u>Cumberland H.S. Lagoon</u>	<u>0.6</u>	<u>.5</u>	<u>.1 (20%)</u>
<u>Unnamed Tributary of Tear Wallet Creek</u>	<u>2-17</u>	<u>E.L.</u>	<u>0.68-0.0</u>	<u>Cumberland Courthouse</u>	<u>8.8</u>	<u>7.0</u>	<u>1.8 (20%)</u>
<u>Courthouse Branch</u>	<u>2-22</u>	<u>W.Q.</u>	<u>2.2-0.0</u>	<u>Amelia STP</u>	<u>21.0</u>	<u>17.0</u>	<u>4.0 (20%)</u>
<u>Unnamed Tributary of Deep Creek</u>	<u>2-22</u>	<u>W.Q.</u>	<u>2.2-0.0</u>	<u>Crewe STP</u>	<u>50.3^{11,12}</u>	<u>50.1^{11,12}</u>	<u>0.2 (0.4%)^{11,12,} ¹³</u>

¹ Recommended classification.² Based on 2020 loads or stream assimilative capacity less 20%.³ Load allocation based on published NPDES permits.⁴ This assimilative capacity is based upon an ammonia loading no greater than 125.1 lbs/day.⁵ Percentages refer to reserve as percent of total assimilative capacity. Minimum reserve for future growth and modeling accuracy is 20% unless otherwise noted.⁶ No NPDES Permits published (BPT not established) allocation base on maximum value monitored.

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⁷ This table is for the existing discharge point. The recommended plan may involve relocation or elimination of stream discharge.

⁸ Assimilative capacity will be determined upon completion of the ongoing study by Hydrosience, Inc.

⁹ Discharges into Karnes Creek, a tributary to the Jackson River.

¹⁰ Discharges into Wilson Creek, near its confluence with Jackson River.

¹¹ Five-day Carbonaceous Biological Oxygen Demand (cBOD₅).

¹² Revision supersedes all subsequent Crewe STP stream capacity, allocation, and reserve references.

¹³ 0.4 percent reserve: determined by SWCB Piedmont Regional Office.

Source: Wiley & Wilson, Inc.

TABLE B3 - UPPER JAMES RIVER BASIN ADDITIONAL LOAD ALLOCATIONS BASED ON RECOMMENDED DISCHARGE POINT

<u>Stream Name</u>	<u>Segment Number</u>	<u>Classification¹</u>	<u>Mile to Mile</u>	<u>Significant Discharges</u>	<u>Total Assimilative Capacity of Stream BOD₅ lbs/day</u>	<u>Wasteload² Allocation BOD₅ lbs/day</u>	<u>Reserve⁴ BOD₅ lbs/day⁵</u>
<u>Mill Creek</u>	<u>2-4</u>	<u>E.L.</u>	<u>5.5-0.0</u>	<u>Millboro</u>	<u>30.0</u>	<u>7.3</u>	<u>22.7(76%)</u>
<u>Calfpasture River</u>	<u>2-4</u>	<u>E.L.</u>	<u>4.9-0.0</u>	<u>Goshen</u>	<u>65.0</u>	<u>12.0</u>	<u>53.0 (82%)</u>
<u>Maury River</u>	<u>2-4</u>	<u>E.L.</u>	<u>1.2-0.0</u>	<u>Lees Carpet</u>	<u>790.0</u>	<u>425.0³</u>	<u>235.0 (30%)</u>
				<u>Glasgow Regional S.T.P.</u>		<u>130.0</u>	
<u>Buffalo River</u>	<u>2-7</u>	<u>E.L.</u>	<u>9.6-0.0</u>	<u>Amherst S.T.P.</u>	<u>150.0</u>	<u>120.0</u>	<u>30.0 (20%)</u>
<u>Rockfish River</u>	<u>2-6</u>	<u>E.L.</u>	<u>9.5-0.0</u>	<u>Schuyler S.T.P.</u>	<u>110.0</u>	<u>25.0</u>	<u>85.0 (77%)</u>
<u>Standardsville Run</u>		<u>E.L.</u>		<u>Standardsville</u>	<u>Land Application Recommended</u>		
<u>South Fork Appomattox River</u>		<u>E.L.</u>		<u>Appomattox Lagoon</u>	<u>Connect to Recommended Facility in Roanoke River Basin</u>		

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<u>Buffalo Creek</u>	<u>2-17</u>	<u>E.L.</u>	<u>9.3-7.7</u>	<u>Hampden-Sydney College</u>	<u>46.0</u>	<u>23.0</u>	<u>23.0 (50%)</u>
<u>Unnamed trib. of Tear Wallet Creek</u>		<u>E.L.</u>		<u>Cumberland Courthouse</u>	<u>Land Application Recommended</u>		
<u>Courthouse Branch</u>		<u>E.L.</u>		<u>Amelia</u>	<u>Land Application Recommended</u>		
<u>Deep Creek</u>	<u>2-17</u>	<u>E.L.</u>	<u>25.0-12.8</u>	<u>Crewe S.T.P.</u>	<u>69.0</u>	<u>55.0</u>	<u>14.0 (20%)</u>

¹Recommended classification.

²Based on 2020 loads or stream assimilative capacity less 20%.

³Load allocation based on published NPDES permit.

⁴Percentages refer to reserve as percent of total assimilative capacity. Minimum reserve for future growth and modeling accuracy is 20% unless otherwise noted.

⁵Assimilative capacity will be determined upon completion of the ongoing study by Hydrosience, Inc.

Source: Wiley & Wilson, Inc.

TABLE B4 - SEGMENT CLASSIFICATION UPPER JAMES-JACKSON RIVER SUBAREA

<u>Stream Name</u>	<u>Segment Number</u>	<u>Mile to Mile</u>	<u>Stream Classification</u>	<u>Comments</u>
<u>Back Creek</u>	<u>2-1</u>	<u>16.06-8.46</u>	<u>W.Q.</u>	<u>Main Only</u>
<u>Jackson River</u>	<u>2-1</u>	<u>95.70-24.90</u>	<u>E.L.</u>	<u>Main and Tributaries</u>
<u>Jackson River</u>	<u>2-2</u>	<u>24.90-0.00</u>	<u>W.Q.</u>	<u>Main Only</u>
<u>Jackson River</u>	<u>2-2</u>	<u>24.90-0.00</u>	<u>E.L.</u>	<u>Tributaries Only</u>
<u>James River</u>	<u>2-3</u>	<u>349.50-308.50</u>	<u>E.L.</u>	<u>Main and Tributaries</u>
<u>James River</u>	<u>2-3</u>	<u>308.50-279.41</u>	<u>E.L.</u>	<u>Main and Tributaries</u>

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TABLE B5 - UPPER JAMES-JACKSON RIVER SUBAREA WASTELOAD ALLOCATIONS BASED ON EXISTING DISCHARGE

POINT¹

<u>MAP</u> <u>LOCATION</u>	<u>STREAM</u> <u>NAME</u>	<u>SEGMENT</u> <u>NUMBER</u>	<u>SEGMENT</u> <u>CLASSIFICATION</u> <u>STANDARDS</u>	<u>MILE to²</u> <u>MILE</u>	<u>DISCHARGER</u>	<u>VPDES</u> <u>PERMIT</u> <u>NUMBER</u>	<u>VPDES</u> <u>PERMIT</u> <u>LIMITS</u> <u>BOD₅ kg/day</u>	<u>303(e)³</u> <u>WASTELOAD</u> <u>ALLOCATION</u> <u>BOD₅ kg/day</u>
<u>1</u>	<u>Jackson</u> <u>River</u>	<u>2-1</u>	<u>E.L.</u>	<u>93.05-</u>	<u>Virginia Trout</u>	<u>VA0071722</u>	<u>N/A</u>	<u>Secondary</u>
<u>B</u>	<u>Warm</u> <u>Springs</u> <u>Run</u>	<u>2-1</u>	<u>E.L.</u>	<u>3.62-0.00</u>	<u>Warm Springs</u> <u>STP</u>	<u>VA0028233</u>	<u>9.10</u>	<u>Secondary</u>
<u>3</u>	<u>Back Creek</u>	<u>2-1</u>	<u>W.Q.</u>	<u>16.06-8.46</u>	<u>VEPCO</u>	<u>VA0053317</u>	<u>11.50</u>	<u>11.50</u>
<u>C</u>	<u>X-trib to</u> <u>Jackson</u> <u>River</u>	<u>2-1</u>	<u>E.L.</u>	<u>0.40-0.0</u>	<u>Bacova</u>	<u>VA0024091</u>	<u>9.10</u>	<u>Secondary</u>
<u>D</u>	<u>Hot Springs</u> <u>Run</u>	<u>2-1</u>	<u>E.L.</u>	<u>5.30-0.00</u>	<u>Hot Springs</u> <u>Reg. STP</u>	<u>VA0066303</u>	<u>51.10</u>	<u>Secondary</u>
<u>E</u>	<u>X-trib to</u> <u>Cascades</u> <u>Creek</u>	<u>2-1</u>	<u>E.L.</u>	<u>3.00-0.00</u>	<u>Ashwood-</u> <u>Healing Springs</u> <u>STP</u>	<u>VA0023726</u>	<u>11.30</u>	<u>Secondary</u>
<u>F</u>	<u>Jackson</u> <u>River</u>	<u>2-1</u>	<u>E.L.</u>	<u>50.36-</u>	<u>U.S. Forest</u> <u>Service Bolar</u> <u>Mountain</u>	<u>VA0032123</u>	<u>1.98</u>	<u>Secondary</u>
<u>G</u>	<u>Jackson</u> <u>River</u>	<u>2-1</u>	<u>E.L.</u>	<u>43.55</u>	<u>U.S. Army COE</u> <u>Morris Hill</u> <u>Complex</u>	<u>VA0032115</u>	<u>1.70</u>	<u>Secondary</u>

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<u>H</u>	<u>Jackson River</u>	<u>2-1</u>	<u>E.L.</u>	<u>29.84-</u>	<u>Alleghany County</u> <u>Clearwater Park</u>	<u>VA0027955</u>	<u>5.70</u>	<u>Secondary</u>
<u>4</u>	<u>Jackson River</u>	<u>2-1</u>	<u>E.L.</u>	<u>25.99</u>	<u>Covington City</u> <u>Water Treatment Plant</u>	<u>VA0058491</u>	<u>N/A</u>	<u>Secondary</u>
<u>5</u>	<u>Jackson River</u>	<u>2-2</u>	<u>W.Q.</u>	<u>24.64-</u> <u>19.03</u>	<u>Westvaco</u>	<u>VA0003646</u>	<u>4,195.00</u>	<u>4,195.00⁴</u>
<u>6</u>					<u>Covington City⁵</u> <u>Asphalt Plant</u>	<u>VA0054411</u>	<u>N/A</u>	<u>N/A</u>
<u>Z</u>					<u>Hercules, Inc⁶</u>	<u>VA0003450</u>	<u>94.00</u>	<u>94.00</u>
<u>J</u>	<u>Jackson River</u>	<u>2-2</u>	<u>W.Q.</u>	<u>19.03-10.5</u>	<u>Covington STP</u>	<u>VA0025542</u>	<u>341.00</u>	<u>341.00</u>
<u>K</u>	<u>Jackson River</u>			<u>10.5-0.0</u>	<u>Low Moor STP⁷</u>	<u>VA0027979</u>	<u>22.70</u>	<u>22.70</u>
<u>M</u>					<u>D.S. Lancaster</u> <u>CC⁸</u>	<u>VA0028509</u>	<u>3.60</u>	<u>3.60</u>
<u>L</u>					<u>Selma STP⁹</u>	<u>VA0028002</u>	<u>59.00</u>	<u>59.00</u>
<u>10</u>					<u>The Chessie</u> <u>System¹⁰</u>	<u>VA0003344</u>	<u>N/A</u>	<u>N/A</u>
<u>N</u>					<u>Clifton Forge</u> <u>STP¹¹</u>	<u>VA0002984</u>	<u>227.00</u>	<u>227.00</u>
<u>11</u>					<u>Lydall¹²</u>	<u>VA0002984</u>	<u>6.00</u>	<u>6.00</u>
<u>P</u>					<u>Iron Gate STP¹³</u>	<u>VA0020541</u>	<u>60.00</u>	<u>60.00</u>
<u>8</u>	<u>Paint Bank Branch</u>	<u>2-2</u>	<u>E.L.</u>	<u>1.52</u>	<u>VDGIF Paint</u> <u>Bank Hatchery</u>	<u>VA0098432</u>	<u>N/A</u>	<u>Secondary</u>
<u>I</u>	<u>Jerrys Run</u>	<u>2-2</u>	<u>E.L.</u>	<u>6.72-</u>	<u>VDOT 1-64 Rest</u> <u>Area</u>	<u>VA0023159</u>	<u>0.54</u>	<u>Secondary</u>

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<u>AA</u>	<u>East Branch (Sulfer Spring)</u>	<u>2-2</u>	<u>E.L.</u>	<u>2.16</u>	<u>Norman F. Nicholas</u>	<u>VA0078403</u>	<u>0.05</u>	<u>Secondary</u>
<u>BB</u>	<u>East Branch (Sulfer Spring)</u>	<u>2-2</u>	<u>E.L.</u>	<u>1.91-</u>	<u>Daryl C. Clark</u>	<u>VA0067890</u>	<u>0.068</u>	<u>Secondary</u>
<u>9</u>	<u>Smith Creek</u>	<u>2-2</u>	<u>E.L.</u>	<u>3.44-</u>	<u>Clifton Forge Water Treatment Plant</u>	<u>VA0006076</u>	<u>N/A</u>	<u>Secondary</u>
<u>O</u>	<u>Wilson Creek</u>	<u>2-2</u>	<u>E.L.</u>	<u>0.20-0.0</u>	<u>Cliffondale¹⁴ Park STP</u>	<u>VA0027987</u>	<u>24.00</u>	<u>Secondary</u>
<u>2</u>	<u>Pheasanty Run</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.01-</u>	<u>Coursey Springs</u>	<u>VA0006491</u>	<u>434.90</u>	<u>Secondary</u>
<u>Q</u>	<u>Grannys Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>1.20-</u>	<u>Craig Spring Conference Grounds</u>	<u>VA0027952</u>	<u>3.40</u>	<u>Secondary</u>
<u>CC</u>	<u>X-trib to Big Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>1.10-</u>	<u>Homer Kelly Residence</u>	<u>VA0074926</u>	<u>0.05</u>	<u>Secondary</u>
<u>12</u>	<u>Mill Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.16-</u>	<u>Columbia Gas Transmission Corp.</u>	<u>VA0004839</u>	<u>N/A</u>	<u>Secondary</u>
<u>R</u>	<u>John Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.20-</u>	<u>New Castle STP(old)</u>	<u>VA0024139</u>	<u>21.00</u>	<u>Secondary</u>
<u>S</u>	<u>Craig Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>48.45-36.0</u>	<u>New Castle STP (new)</u>	<u>VA0064599</u>	<u>19.90</u>	<u>Secondary</u>
<u>I</u>	<u>Craig Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>46.98-</u>	<u>Craig County Schools McCleary E.S.</u>	<u>VA0027758</u>	<u>0.57</u>	<u>Secondary</u>

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<u>DD</u>	<u>Eagle Rock Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.08-</u>	<u>Eagle Rock STP¹⁵ (Proposed)</u>	<u>VA0076350</u>	<u>2.30</u>	<u>Secondary</u>
<u>U</u>	<u>X-trib to Catawba Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.16</u>	<u>VDMH & R Catawba Hospital</u>	<u>VA0029475</u>	<u>13.60</u>	<u>Secondary</u>
<u>14</u>	<u>Catawba Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>23.84</u>	<u>Tarmac- Lonestar</u>	<u>VA0078393</u>	<u>0.80</u>	<u>Secondary</u>
<u>FF</u>	<u>Borden Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>2.00-</u>	<u>Shenandoah Baptist Church Camp</u>	<u>VA0075451</u>	<u>0.88</u>	<u>Secondary</u>
<u>EE</u>	<u>X-trib to Borden Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.36</u>	<u>David B. Pope</u>	<u>VA0076031</u>	<u>0.07</u>	<u>Secondary</u>
<u>V</u>	<u>X-trib to Catawba Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>3.21-</u>	<u>U.S. FHA Flatwood Acres</u>	<u>VA0068233</u>	<u>0.03</u>	<u>Secondary</u>
<u>W</u>	<u>Catawba Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>11.54-</u>	<u>Fincastle STP</u>	<u>VA0068233</u>	<u>8.50</u>	<u>Secondary</u>
<u>X</u>	<u>Looney Mill Creek</u>	<u>2-3</u>	<u>E.L.</u>	<u>1.83-</u>	<u>VDOT I-81 Rest Area</u>	<u>VA0023141</u>	<u>0.91</u>	<u>Secondary</u>
<u>Y</u>	<u>X-trib to Stoney</u>	<u>2-3</u>	<u>E.L.</u>	<u>0.57</u>	<u>VDOC Field Unit No. 25 Battle Creek</u>	<u>VA0023523</u>	<u>1.10</u>	<u>Secondary</u>
<u>Z</u>	<u>James River</u>	<u>2-3</u>	<u>E.L.</u>	<u>308.5- 286.0</u>	<u>Buchanan STP</u>	<u>VA0022225</u>	<u>27.00</u>	<u>Secondary</u>

TABLE B5 - NOTES:

N/A Currently No BOD⁵ limits or wasteload have been imposed by the VPDES permit. Should BOD⁵ limits (wasteload) be imposed a WQMP amendment would be required for water quality limited segments only.

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¹ Secondary treatment levels are required in effluent limiting (E.L.) segments. In water quality limiting (W.Q.) segments quantities listed represent wasteload allocations.

² Ending river miles have not been determined for some Effluent Limited segments.

³ These allocations represent current and original (1977 WQMP) modeling. Future revisions may be necessary based on Virginia State Water Control Board[] modeling.

⁴ The total assimilative [capacity capacity]at critical stream flow for this portion of Segment 2-2 has been modeled and verified by Hydrosience, Inc. (March 1977) to be 4.914 kg/day BOD₅.

⁵ The discharge is to an unnamed tributary to the Jackson River at Jackson River mile 22.93.

⁶ The discharge is at Jackson River mile 19.22.

⁷ The discharge is to the mouth of Karnes Creek, a tributary to the Jackson River at Jackson River mile 5.44.

⁸ The discharge is at Jackson River mile 6.67.

⁹ The discharge is at Jackson River mile 5.14.

¹⁰ The discharge is at Jackson River mile 4.72.

¹¹ The discharge is at Jackson River mile 3.46.

¹² The discharge is at Jackson River mile 1.17.

¹³ The discharge is at Jackson River mile 0.76.

¹⁴ The discharge is to the mouth of Wilson Creek, a tributary to the Jackson River at Jackson River mile 2.44.

¹⁵ The discharge is to the mouth of Eagle Rock Creek, a tributary to the Jackson River at Jackson River mile 330.35.

TABLE B6 - RICHMOND CRATER INTERIM WATER QUALITY MANAGEMENT PLAN STREAM CLASSIFICATIONS - JAMESRIVER BASIN

<u>SEGMENT</u>	<u>SEGMENT NUMBER</u>	<u>MILE TO MILE</u>	<u>CLASSIFICATION</u>
<u>USGS HUC02080206</u> <u>James River</u>	<u>2-19</u>	<u>115.0-60.5</u>	<u>W.Q.</u>
<u>USGS HUC02080207</u> <u>Appomattox</u>	<u>2-23</u>	<u>30.1-0.0</u>	<u>W.Q.</u>

TABLE B6- * Note: A new stream segment classification for the Upper James Basin was adopted in 1981. The SWCB will renumber or realign these segments in the future to reflect these changes. This Plan covers only a portion of these segments.

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TABLE B7 - RICHMOND CRATER INTERIM WATER QUALITY MANAGEMENT PLAN- CURRENT PERMITTED WASTE

LOADS (March 1988)

	SUMMER (June-October)					WINTER (November-May)						
	FLOW (mgd)	BOD ₅		NH ₃ -N ¹		DO ² (mg/l)	FLOW (mgd)	BOD ₅		NH ₃ -N ¹		DO ² (mg/l)
		(lbs/d)	(mg/l)	(lbs/d)	(mg/l)			(lbs/d)	(mg/l)			
<u>City of Richmond STP³</u>	<u>45.00</u>	<u>3002</u>	<u>8.0</u>	-	-	-	<u>45.00</u>	<u>5367</u>		-	-	-
<u>E.I. DuPont-Spruance</u>	<u>8.68</u>	<u>936</u>	-	-	-	-	<u>8.68</u>	<u>936</u>	-	-	-	-
<u>Falling Creek STP</u>	<u>9.00</u>	<u>1202</u>	<u>16.0</u>	-	-	<u>5.9</u>	<u>9.00</u>	<u>2253</u>	<u>30.0</u>	-	-	<u>5.9</u>
<u>Proctor's Creek STP</u>	<u>6.40</u>	<u>1601</u>	<u>30.0</u>	-	-	<u>5.9</u>	<u>11.80</u>	<u>2952</u>	<u>30.0</u>	-	-	<u>5.9</u>
<u>Reynolds Metals Company</u>	<u>0.39</u>	<u>138</u>	-	Z	-	-	<u>0.39</u>	<u>138</u>	-	Z	-	-
<u>Henrico STP</u>	<u>30.00</u>	<u>3005</u>	<u>12.0</u>	-	-	<u>5.9</u>	<u>30.00</u>	<u>7260</u>	<u>29.0</u>	-	-	<u>5.9</u>
<u>American Tobacco Company</u>	<u>1.94</u>	<u>715</u>	-	-	-	-	<u>1.94</u>	<u>716</u>	-	-	-	-
<u>ICI Americas, Inc.</u>	<u>0.20</u>	<u>152</u>	-	-	-	-	<u>0.20</u>	<u>152</u>	-	-	-	-
<u>Phillip Morris- Park 500</u>	<u>1.50</u>	<u>559</u>	-	-	-	-	<u>1.50</u>	<u>557</u>	-	-	-	-
<u>Allied (Chesterfield)</u>	<u>51.00</u>	<u>1207</u>	-	-	-	-	<u>51.00</u>	<u>1207</u>		-	-	-
<u>Allied (Hopewell)</u>	<u>150.00</u>	<u>2500</u>	-	-	-	-	<u>150.00</u>	<u>2500</u>	-	-	-	-
<u>Hopewell Regional WTF</u>	<u>34.08</u>	<u>12507</u>	<u>44.0</u>	-	-	<u>4.8</u>	<u>34.08</u>	<u>12507</u>	<u>44.0</u>	-	-	<u>4.8</u>
<u>Petersburg STP</u>	<u>15.00</u>	<u>2804</u>	<u>22.4</u>	-	-	<u>5.0</u>	<u>15.00</u>	<u>2804</u>	<u>22.4</u>	-	-	<u>5.0</u>
<u>TOTAL</u>	<u>353.19</u>	<u>30328</u>					<u>358.59</u>	<u>39349</u>				

¹ NH₃-N values represent ammonia as nitrogen.² Dissolved oxygen limits represent average minimum allowable levels.

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³ Richmond STP's BOD₅ is permitted as CBOD₅

TABLE B7 - WASTE LOAD ALLOCATIONS FOR THE YEAR 1990

	SUMMER (June-October)					WINTER (November-May)					
	FLOW (mgd)	CBOD ₅		NH ₃ -N ^{1,3}		DO ² (mg/l)	CBOD ₅		NH ₃ -N ¹		DO ² (mg/l)
		(lbs/d)	(mg/l)	(lbs/d)	(mg/l)		(lbs/d)	(mg/l)	(lbs/d)	(mg/l)	
<u>City of Richmond STP</u>	<u>45.00</u>	<u>3002</u>	<u>8.0</u>	<u>2403</u>	<u>6.4</u>	<u>5.6</u>	<u>5367</u>	<u>14.3</u>	<u>5707</u>	<u>15.2</u>	<u>5.6</u>
<u>E.I. DuPont-Spruance</u>	<u>11.05</u>	<u>948</u>		<u>590</u>		<u>4.4</u>	<u>948</u>		<u>756</u>		<u>2.9</u>
<u>Falling Creek STP</u>	<u>10.10</u>	<u>1348</u>	<u>16.0</u>	<u>539</u>	<u>6.4</u>	<u>5.9</u>	<u>2023</u>	<u>24.0</u>	<u>1281</u>	<u>15.2</u>	<u>5.9</u>
<u>Proctor's Creek STP</u>	<u>12.00</u>	<u>1602</u>	<u>16.0</u>	<u>961</u>	<u>9.6</u>	<u>5.9</u>	<u>2403</u>	<u>24.0</u>	<u>1402</u>	<u>14.0</u>	<u>5.9</u>
<u>Reynolds Metals Co.</u>	<u>0.49</u>	<u>172</u>		<u>8</u>		<u>6.5</u>	<u>172</u>		<u>8</u>		<u>6.5</u>
<u>Henrico STP</u>	<u>30.00</u>	<u>3002</u>	<u>12.0</u>	<u>2403</u>	<u>9.6</u>	<u>5.6</u>	<u>4756</u>	<u>19.0</u>	<u>3504</u>	<u>44.0</u>	<u>5.6</u>
<u>American Tobacco Co.</u>	<u>2.70</u>	<u>715</u>		<u>113</u>		<u>5.8</u>	<u>715</u>		<u>113</u>		<u>5.8</u>
<u>ICI Americas, Inc.</u>	<u>0.20</u>	<u>167</u>		<u>8</u>		<u>5.8</u>	<u>167</u>		<u>8</u>		<u>3.1</u>
<u>Phillip Morris- Park 500</u>	<u>2.20</u>	<u>819</u>		<u>92</u>		<u>4.6</u>	<u>819</u>		<u>92</u>		<u>4.6</u>
<u>Allied (Chesterfield)</u>	<u>53.00</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>
<u>Allied (Hopewell)</u>	<u>165.00</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>
<u>Hopewell Regional WTF</u>	<u>34.07</u>	<u>12502</u>	<u>44.0</u>	<u>12091</u>	<u>36.2</u>	<u>4.8</u>	<u>12502</u>	<u>44.0</u>	<u>10291</u>	<u>36.2</u>	<u>4.8</u>
<u>Petersburg STP</u>	<u>15.00</u>	<u>2802</u>	<u>22.4</u>	<u>801</u>	<u>6.4</u>	<u>5.0</u>	<u>2802</u>	<u>22.4</u>	<u>2028</u>	<u>16.2</u>	<u>5.0</u>
<u>TOTAL</u>	<u>380.81</u>	<u>31084</u>		<u>28978</u>			<u>36679</u>	<u>35958</u>			

¹ NH₃-N values represent ammonia as nitrogen.

² Dissolved oxygen limits represent average minimum allowable levels.

³ Allied (Hopewell) allocation may be redistributed to the Hopewell Regional WTF by VPDES permit.

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Table B7- WASTE LOAD ALLOCATIONS FOR THE YEAR 2000

	SUMMER (June-October)					WINTER (November-May)					
	FLOW (mgd)	CBOD ₅		NH ₃ -N ^{1,3}		DO ² (mg/l)	CBOD ₅		NH ₃ -N ¹		DO ² (mg/l)
		(lbs/d)	(mg/l)	(lbs/d)	(mg/l)		(lbs/d)	(mg/l)	(lbs/d)	(mg/l)	
<u>City of Richmond STP</u>	<u>45.08</u>	<u>3002</u>	<u>8.0</u>	<u>2403</u>	<u>6.4</u>	<u>5.6</u>	<u>5367</u>	<u>14.3</u>		<u>15.2</u>	<u>5.6</u>
<u>E.I. DuPont-Spruance</u>	<u>196.99</u>	<u>948</u>		<u>590</u>		<u>4.4</u>	<u>948</u>		<u>756</u>		<u>2.9</u>
<u>Falling Creek STP</u>	<u>10.10</u>	<u>1348</u>	<u>16.0</u>	<u>539</u>	<u>6.4</u>	<u>5.9</u>	<u>2023</u>	<u>24.0</u>	<u>1281</u>	<u>15.2</u>	<u>5.9</u>
<u>Proctor's Creek STP</u>	<u>16.80</u>	<u>1602</u>	<u>11.4</u>	<u>961</u>	<u>6.9</u>	<u>5.9</u>	<u>2403</u>	<u>17.1</u>	<u>1402</u>	<u>10.0</u>	<u>5.9</u>
<u>Reynolds Metals Co.</u>	<u>0.78</u>	<u>172</u>		<u>13</u>		<u>6.5</u>	<u>172</u>		<u>13</u>		<u>6.5</u>
<u>Henrico STP</u>	<u>32.80</u>	<u>3002</u>	<u>11.0</u>	<u>2403</u>	<u>8.8</u>	<u>5.6</u>	<u>4756</u>	<u>17.4</u>	<u>3504</u>	<u>12.8</u>	<u>5.6</u>
<u>American Tobacco Co.</u>	<u>3.00</u>	<u>715</u>		<u>113</u>		<u>5.8</u>	<u>715</u>		<u>113</u>		<u>5.8</u>
<u>ICI Americas, Inc.</u>	<u>0.20</u>	<u>167</u>		<u>8</u>		<u>5.8</u>	<u>167</u>		<u>8</u>		<u>3.1</u>
<u>Phillip Morris- Park 500</u>	<u>2.90</u>	<u>819</u>		<u>92</u>		<u>4.6</u>	<u>819</u>		<u>92</u>		<u>4.6</u>
<u>Allied (Chesterfield)</u>	<u>56.00</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>
<u>Allied (Hopewell)</u>	<u>170.00</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>
<u>Hopewell Regional WTF</u>	<u>36.78</u>	<u>12502</u>	<u>40.7</u>	<u>12091</u>	<u>33.5</u>	<u>4.8</u>	<u>12502</u>	<u>40.7</u>	<u>12091</u>	<u>33.5</u>	<u>4.8</u>
<u>Petersburg STP</u>	<u>15.00</u>	<u>2802</u>	<u>22.4</u>	<u>801</u>	<u>6.4</u>	<u>5.0</u>	<u>2802</u>	<u>22.4</u>	<u>2028</u>	<u>16.2</u>	<u>5.0</u>
<u>TOTAL</u>	<u>406.43</u>	<u>31084</u>		<u>28982</u>			<u>36679</u>		<u>35963</u>		

¹ NH₃-N values represent ammonia as nitrogen.

² Dissolved oxygen limits represent average minimum allowable levels.

³ Allied (Hopewell) allocation may be redistributed to the Hopewell Regional WTF by VPDES permit.

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TABLE B7- WASTE LOAD ALLOCATIONS FOR THE YEAR 2010

	<u>SUMMER (June-October)</u>					<u>WINTER (November-May)</u>					
	<u>FLOW</u>	<u>CBOD₅</u>		<u>NH₃-N^{1,3}</u>		<u>DO²</u>	<u>CBOD₅</u>		<u>NH₃-N¹</u>		<u>DO²</u>
	<u>(mgd)</u>	<u>(lbs/d)</u>	<u>(mg/l)</u>	<u>(lbs/d)</u>	<u>(mg/l)</u>	<u>(mg/l)</u>	<u>(lbs/d)</u>	<u>(mg/l)</u>	<u>(lbs/d)</u>	<u>(mg/l)</u>	<u>(mg/l)</u>
<u>City of Richmond STP</u>	<u>45.86</u>	<u>3002</u>	<u>7.8</u>	<u>2403</u>	<u>6.3</u>	<u>5.6</u>	<u>5367</u>	<u>14.0</u>		<u>14.9</u>	<u>5.6</u>
<u>E.I. DuPont-Spruance</u>	<u>16.99</u>	<u>948</u>		<u>590</u>		<u>4.4</u>	<u>948</u>		<u>756</u>		<u>2.9</u>
<u>Falling Creek STP</u>	<u>10.10</u>	<u>1348</u>	<u>16.0</u>	<u>539</u>	<u>6.4</u>	<u>5.9</u>	<u>2023</u>	<u>24.0</u>	<u>1281</u>	<u>15.2</u>	<u>5.9</u>
<u>Proctor's Creek STP</u>	<u>24.00</u>	<u>1602</u>	<u>8.0</u>	<u>961</u>	<u>4.8</u>	<u>5.9</u>	<u>2403</u>	<u>12.0</u>	<u>1402</u>	<u>7.0</u>	<u>5.9</u>
<u>Reynolds Metals Co.</u>	<u>0.78</u>	<u>172</u>		<u>13</u>		<u>6.5</u>	<u>172</u>		<u>13</u>		<u>6.5</u>
<u>Henrico STP</u>	<u>38.07</u>	<u>3002</u>	<u>9.5</u>	<u>2403</u>	<u>7.6</u>	<u>5.6</u>	<u>4756</u>	<u>15.0</u>	<u>3504</u>	<u>11.0</u>	<u>5.6</u>
<u>American Tobacco Co.</u>	<u>3.00</u>	<u>715</u>		<u>113</u>		<u>5.8</u>	<u>715</u>		<u>113</u>		<u>5.8</u>
<u>ICI Americas, Inc.</u>	<u>0.20</u>	<u>167</u>		<u>8</u>		<u>5.8</u>	<u>167</u>		<u>8</u>		<u>3.1</u>
<u>Phillip Morris- Park 500</u>	<u>2.90</u>	<u>819</u>		<u>92</u>		<u>4.6</u>	<u>819</u>		<u>92</u>		<u>4.6</u>
<u>Allied (Chesterfield)</u>	<u>56.00</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>	<u>1255</u>		<u>442</u>		<u>5.7</u>
<u>Allied (Hopewell)</u>	<u>180.00</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>	<u>2750</u>		<u>10326</u>		<u>6.1</u>
<u>Hopewell Regional WTF</u>	<u>39.61</u>	<u>12502</u>	<u>37.8</u>	<u>10291</u>	<u>31.1</u>	<u>4.8</u>	<u>12502</u>	<u>37.8</u>	<u>10291</u>	<u>31.1</u>	<u>4.8</u>
<u>Petersburg STP</u>	<u>15.00</u>	<u>2802</u>	<u>22.4</u>	<u>801</u>	<u>6.4</u>	<u>5.0</u>	<u>2802</u>	<u>22.4</u>	<u>2028</u>	<u>16.2</u>	<u>5.0</u>
<u>TOTAL</u>	<u>432.1</u>	<u>31084</u>		<u>28982</u>			<u>36679</u>		<u>35963</u>		

¹ NH₃-N values represent ammonia as nitrogen.

² Dissolved oxygen limits represent average minimum allowable levels.

³ Allied (Hopewell) allocation may be redistributed to the Hopewell Regional WTF by VPDES permit.

9 VAC 25-720-70. Rappahannock River Basin.**A. Total maximum Daily Load (TMDLs).**

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B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

9 VAC 25-720-70 Rappahannock Area Development Commission (RADCO) 208 Area Wide Waste Treatment Management Plan And Potomac-Shenandoah River Basin 303(e) Water Quality Management Plan is included in The Potomac River Basin section.

9 VAC 25-720-80. Roanoke River Basin.

A. Total maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - STREAM SEGMENT CLASSIFICATION

<u>Classification</u>		<u>Segment description</u>
<u>WQMA IV</u>		
	<u>E</u>	<u>All tributaries to the Roanoke River not previously classified in the WQMA.</u>
<u>WQMA V</u>		
	<u>E</u>	<u>Roanoke River and all tributaries in this WQMA.</u>
<u>WQMA VI</u>		
	<u>WQ</u>	<u>Ash Camp Creek.</u>
	<u>EL</u>	<u>Twittys Creek.</u>
	<u>E</u>	<u>Roanoke Creek to include all tributaries not previously classified in the WQMA.</u>
<u>WQMA VII</u>		
	<u>WQ</u>	<u>Banister River from /confluence of Polecat Creek to confluence of Dan and Banister Rivers (River only).</u>
	<u>EL</u>	<u>Dan River from confluence Miry Creek to backwaters of Kerr Reservoir (River only).</u>
	<u>WQ</u>	<u>Kerr Reservoir.</u>
	<u>WQ</u>	<u>Little Bluestone Creek.</u>

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	<u>WQ</u>	<u>Butcher Creek</u>
	<u>WQ</u>	<u>Flat Creek.</u>
	<u>E</u>	<u>All tributaries to Kerr Reservoir, Dan River and Banister River not previously classified in this WQMA.</u>
	<u>E</u>	<u>Roanoke River from confluence Clover Creek to headwaters of Kerr Reservoir.</u>
	<u>E</u>	<u>All tributaries to the Roanoke River in this WQMA not previously classified.</u>
<u>WQMA VIII</u>		
	<u>E</u>	<u>Hyco River from the NC-VA , State Line to it's confluence with the Dan River to include all tributaries.</u>
<u>WQMA IX</u>		
	<u>E</u>	<u>Banister River through this WQMA</u>
	<u>EL</u>	<u>Georges Creek.</u>
	<u>EL</u>	<u>Cherrystone Creek.</u>
	<u>E</u>	<u>All tributaries to the Banister River not previously classified in this WQMA.</u>
<u>WQMA X</u>		
	<u>E</u>	<u>Dan River from NC-VA State Line to one mile above the confluence of Sandy River (River only).</u>
	<u>E</u>	<u>Sandy River to include all tributaries.</u>
	<u>WQ</u>	<u>Dan River from one mile above confluence of Sandy River to NC-VA line.</u>
	<u>E</u>	<u>Dan River from NC-VA line to confluence Miry Creek</u>
	<u>E</u>	<u>All tributaries to the Dan River in Virginia not previously classified in this WQMA.</u>
<u>WQMA XII</u>		
	<u>E</u>	<u>Smith River from its headwaters to Philpot Dam.</u>
	<u>WQ</u>	<u>Smith River from Philpott Dam to the NC-VA State Line.</u>
	<u>EL</u>	<u>Marrowbone Creek.</u>

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	<u>EL</u>	<u>Leatherwood Creek.</u>
	<u>E</u>	<u>All tributaries to the Smith River not previously classified in this WQMA.</u>
<u>WQMA XIII</u>		
	<u>E</u>	<u>North Mayo River from its headwaters to the NC-VA State Line to include all tributaries.</u>
<u>WQMA XIV</u>		
	<u>E</u>	<u>Headwaters South Mayo River to confluence North Fork South Mayo River.</u>
	<u>EL</u>	<u>South Mayo River from confluence with North Fork to NC-VA Line.</u>
	<u>E</u>	<u>All tributaries of the South Mayo River not previously classified in this WQMA.</u>
<u>WQMA XV</u>		
	<u>E</u>	<u>All streams in this WQMA.</u>

Source: Hayes, Seay, Mattern & Mattern

TABLE B2

TABLE B2 - SEWERAGE SERVICE AREAS - WASTELOAD ALLOCATIONS FOR ROANOKE RIVER BASIN
WATER QUALITY MANAGEMENT PLAN.

<u>Water Quality Management Area (WQMA)</u>	<u>Study Area Name</u>	<u>Discharger</u>	<u>Stream Name</u>	<u>Segment Classification</u>	<u>303(e) Wasteload Allocation BOD₅ lbs/day</u>
<u>WQMA IV</u>	<u>Appomattox</u>	<u>Appomattox STP</u>	<u>Falling R.</u>	<u>EL</u>	<u>100.00</u>
<u>WQMA IV</u>	<u>Brookneal</u>	<u>Brookneal STP and Dan River, Inc.. -Brookneal</u>	<u>Roanoke R.</u>	<u>EL</u>	<u>1381.20</u>
<u>WQMA IV</u>	<u>Rustburg</u>	<u>Rustburg STP</u>	<u>Molleys Cr.</u>	<u>WQ</u>	<u>17.94</u>
<u>WQMA VI</u>	<u>Drakes Branch</u>	<u>West Point Stevens - Drakes Branch</u>	<u>Twittys Cr.</u>	<u>EL</u>	<u>27.82</u>

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<u>WQMA VII</u>	<u>Clarksville</u>	<u>Chase City Regional STP</u>	<u>Little Blue</u> <u>Stone Cr.</u>	<u>WQ</u>	<u>N/A</u> ¹
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<u>Water Quality Management Area (WQMA)</u>	<u>Study Area Name</u>	<u>Discharger</u>	<u>Stream Name</u>	<u>Segment Classification</u>	<u>303(e)Wasteload Allocation BOD₅ lbs/day</u>
<u>WQMA VII</u>	<u>Chase City- Boydton</u>	<u>Boydton</u>	<u>Coleman Cr.</u>	<u>EL</u>	<u>N/A¹</u>
		<u>Clarksville STP</u>	<u>Kerr Reservoir</u>	<u>WQ</u>	<u>131.00</u>
		<u>Burlington Industries- Clarksville</u>	<u>Kerr Reservoir</u>	<u>WQ</u>	<u>1793.00</u>
<u>WQMA VII</u>	<u>South Boston</u>	<u>South Boston STP</u>	<u>Dan River</u>	<u>WQ</u>	<u>1854.00</u>
	<u>Halifax-</u>	<u>Halifax STP, Halifax</u>	<u>Banister R.</u>	<u>WQ</u>	<u>584.84</u>
	<u>Scottsburg</u>	<u>Cotton Mills, Burlington Ind. - Halifax and Scottsburg STP</u>			
	<u>Clover</u>	<u>Clover</u>	<u>Clover Cr.</u>	<u>EL</u>	<u>8.76</u>
<u>WQMA VII</u>	<u>South Hill - Lacrosse - Broadnax</u>	<u>South Hill, Lacrosse and Broadnax</u>	<u>Flat Cr.</u>	<u>WQ</u>	<u>N/A¹</u>
<u>WQMA VII</u>	<u>Virgilina</u>	<u>Virgilina</u>	<u>X-Trib. To Wolfpit Run</u>	<u>EL</u>	<u>13.00</u>
<u>WQMA IX</u>	<u>Chatham-</u>	<u>Chatham</u>	<u>Cherrystone Cr.</u>	<u>EL</u>	<u>125.22</u>
	<u>Gretna</u>	<u>Gretna</u>	<u>Georges Cr.</u>	<u>EL</u>	<u>100.00</u>
<u>WQMA X</u>	<u>Dan River</u>	<u>Danville and US Gypsum</u>	<u>Dan R.</u>	<u>WQ</u>	<u>4407.00</u>
<u>WQMA X</u>	<u>Dan River, Inc.</u>	<u>WILL DISCHARGE PROCESS WATER TO THE CITY OF DANVILLE STP</u>			
<u>WQMA XII</u>	<u>Smith R.</u>	<u>Henry County PSA-Upper Smith R. STP</u>	<u>Smith R.</u>	<u>WQ</u>	<u>567.00</u>

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		<u>Collinsville STP</u>	<u>CONNECTED TO UPPER SMITH R. STP</u>		
		<u>Fieldcrest Mills</u>	<u>CONNECTED TO UPPER SMITH R. STP</u>		
		<u>E.I. duPont</u>	<u>Smith R.</u>	<u>WQ</u>	<u>503.00</u>
		<u>Martinsville STP</u>	<u>Smith R.</u>	<u>WQ</u>	<u>1500.00</u>
		<u>Henry County PSA-Lower</u> <u>Smith R. STP</u>	<u>Smith R.</u>	<u>WQ</u>	<u>567.00</u>
<u>WQMA XIV</u>	<u>Stuart-Patrick</u> <u>Springs</u>	<u>Stuart STP</u>	<u>S. Mayo R.</u>	<u>EL</u>	<u>141.90</u>
		<u>United Elastic Patrick</u> <u>Springs</u>	<u>S. Mayo R.</u>	<u>EL</u>	<u>8.38</u>
<u>WQMA XIV</u>	<u>NONE</u>	<u>United Elastic Woolwine</u>	<u>Smith R.</u>	<u>EL</u>	<u>192.00</u>

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TABLE B3

WASTELOAD ALLOCATIONS FOR DISCHARGERS WITH TIERED PERMITS ROANOKE RIVER BASIN WATER
QUALITY MANAGEMENT PLAN.

<u>Water Quality Management Area (WQMA)</u>	<u>Study Area Name</u>	<u>Discharger</u>	<u>Months</u>	<u>Effluent Flow (mgd)</u>	<u>D.O. (mg/l)</u>	<u>CBOD₅ (lbs/day)</u>	<u>BOD₅ (mg/l)</u>	<u>Ammonia (mg/l)</u>	<u>Total Kjeldahl Nitrogen (mg/l)</u>
WQMA VI	Keysville	Keysville	Dec.-Apr.	0.500	5.0	104.32	25.0 ¹	1.4	4.0
			May-Nov.	0.500	5.0	70.94	17.0 ¹		
WQMA VII	South Hill- Lacrosse- Broadnax	South Hill	Jan.-Feb.-	1.000	6.5	250.00	30.0	20.0	
			March	1.000	6.5	83.0	10.0	1.0	
			Apr.-May	1.000	6.5	75.00	9.0	1.0	
			June-Sept	1.000	6.5	83.00	10.0	1.0	
			Oct.	1.000	6.5	142.00	17.0	5.0	
			Nov.	1.000	6.5	250.00	30.0	20.0	
			Dec.						
WQMA VII	Clarksville	Boydton	May-Nov.	0.360	5.0	39.1	13.0 ¹		3.0
	Chase City								
	Boydton	Dec.-Apr.	0.360	5.0	75.1	25.0 ¹			

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WQMA VII	Clarksville- Chase City- Boydton	Chase City	May-Nov.	0.600	6.0	65.04	13.0 ¹	1.8	4.2
	Dec.-Apr.		0.600	7.0	125.22	25.0 ¹	3.4	8.8	

NOTES:

¹CBOD₅ (CBOD₅/BOD₅=25/30).]

TABLE B4 - SEGMENT CLASSIFICATION - STANDARDS UPPER ROANOKE RIVER SUBAREA

HUC CODE 03010101

<u>Stream Name</u>	<u>303(e) Segment Number</u>	<u>Mile to Mile</u>	<u>Stream Classification</u>	<u>Comments</u>
<u>N.F. Roanoke River</u>	<u>4A-1</u>	<u>30.80 to 0.00</u>	<u>E.L.-P</u>	<u>Main and tributaries.</u>
<u>S.F. Roanoke River</u>	<u>4A-1</u> <u>16.60 to 0.00</u> <u>E.L.-P</u> <u>Main and</u> <u>tributaries.</u>	<u>16.60 to 0.00</u>	<u>E.L.-P</u> <u>W.Q.-FC</u>	<u>Main and tributaries.</u> <u>Main only.</u>
<u>Roanoke River</u>	<u>4A-2</u>	<u>227.74 to</u> <u>202.20</u>	<u>W.Q.-DO,P</u>	<u>Main only to 14th Street Bridge.</u>

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<u>Peters Creek</u>	<u>4A-2</u>	<u>8.00 to 0.00</u>	<u>W.Q.-DO,P</u>	<u>Main only.</u>
<u>Roanoke River</u>	<u>4A-2</u>	<u>202.20 to</u> <u>195.87</u>	<u>W.Q.-DO,P</u>	<u>Main to confluence with Prater Creek.</u>
<u>Tinker Creek</u>	<u>4A-2</u>	<u>19.40 to 0.00</u>	<u>W.Q.-DO,P,FC</u>	<u>Main only.</u>
<u>Beck Creek</u>	<u>4A-2</u>	<u>25.70 to 0.00</u>	<u>E.L.-P</u>	<u>Main and tributaries.</u>
<u>Roanoke River</u>	<u>4A-2</u>	<u>195.87 to</u> <u>158.20</u>	<u>W.Q.- DO,P</u>	<u>Main and impounded tributaries (impounded portions only) to Smith Mtn. Dam.</u>
<u>Other tributaries to the Roanoke River</u>	<u>4A-2</u>	<u>227.74 to</u> <u>158.20</u>	<u>E.L.-P</u>	<u>Tributaries only.</u>
<u>Blackwater River</u>	<u>4A-3</u>	<u>58.80 to 19.75</u>	<u>E.L.-P</u>	<u>Main and tributaries.</u>
<u>Blackwater River</u>	<u>4A-3</u>	<u>19.75 to 0.00</u>	<u>W.Q.-DO,P</u>	<u>Main and impounded tributaries(impounded portions only) to mouth of Blackwater River.</u>
<u>Other tributaries to the Blackwater River</u>	<u>4A-3</u>	<u>58.80 to 0.00</u>	<u>E.L.-P</u>	<u>Tributaries only.</u>
<u>Pigg River</u>	<u>4A-4</u>	<u>79.80 to 58.00</u>	<u>E.L.</u>	<u>Main and tributaries from the headwaters to the confluence with Furnace Creek - except Story Creek.</u>
<u>Storey Creek</u>	<u>4A-4</u>	<u>10.30 to 0.00</u>	<u>W.Q.-DO</u>	<u>Main Only.</u>
<u>Pigg River</u>	<u>4A-4</u>	<u>58.00 to 47.60</u>	<u>W.Q.-DO</u>	<u>Main only from Furnace Creek to the confluence with Powder Mill Creek.</u>
<u>Pigg River</u>	<u>4A-4</u>	<u>47.60 to 0.00</u>	<u>E.L.</u>	<u>Main and tributaries.</u>

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<u>Roanoke River</u>	<u>4A-5</u>	<u>158.20 to</u> <u>140.54</u>	<u>E.L.</u>	<u>Main and tributaries. (Leesville Lake)</u>
<u>Goose Creek</u>	<u>4A-5</u>	<u>39.30 to 0.00</u>	<u>E.L.</u>	<u>Main and tributaries.</u>
<u>Little Otter</u> <u>River</u>	<u>4A-5</u>	<u>17.15 to 14.36</u>	<u>E.L.</u>	<u>Main and tributaries to confluence with Johns Creek.</u>
<u>Johns Creek</u>	<u>4A-5</u>	<u>4.00 to 0.00</u>	<u>W.Q.-DO</u>	<u>Main only.</u>
<u>Little Otter</u> <u>River</u>	<u>4A-5</u>	<u>14.36 to 0.00</u>	<u>W.Q.-DO</u>	<u>Main only from confluence with Johns Creek to Big Otter River.</u>
<u>Big Otter River</u>	<u>4A-5</u>	<u>42.68 to 0.00</u>	<u>E.L.</u>	<u>Main and tributaries.</u>
<u>Roanoke River</u>	<u>4A-5</u>	<u>140.54 to</u> <u>123.79</u>	<u>E.L.</u>	<u>Main and tributaries.</u>

Legend:

DO = Dissolved Oxygen

P = Phosphorus

FC = Fecal Coliform

T = Temperature

TABLE B5 - WASTELOAD ALLOCATIONS BASED ON EXISTING DISCHARGE POINT 1 UPPER ROANOKE RIVER

SUBAREA

HUC 03010101

<u>MAP</u> <u>LOCATION</u>	<u>STREAM NAME</u>	<u>SEGMENT</u> <u>NUMBER</u>	<u>SEGMENT</u> <u>CLASSIFI-</u> <u>CATION</u> <u>STANDARDS</u>	<u>MILE to</u> <u>MILE²</u>	<u>DISCHARGER</u>	<u>VPDES</u> <u>PERMIT</u> <u>NUMBER</u>	<u>VPDES</u> <u>PERMIT</u> <u>LIMITS</u> <u>BOD₅⁴</u> <u>kg/day</u>	<u>303(e) 3/</u> <u>WASTELOAD</u> <u>ALLOCATION</u> <u>BOD₅⁴ kg/day</u>	<u>TOTAL</u> <u>MAXIMUM DAILY</u> <u>LOAD W.Q.</u> <u>SEGMENTS</u> <u>BOD₅⁴ kg/day</u>
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<u>A</u>	<u>S.F. Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u> <u>WQ-FC</u>	<u>6.33-</u>	<u>Montgomery</u> <u>County PSA</u> <u>Shawsville</u> <u>STP</u>	<u>VA0024031</u>	<u>11.40</u>	<u>Secondary</u>	
<u>B</u>	<u>S.F. Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.76-</u>	<u>Montgomery</u> <u>County PSA</u> <u>Elliston-</u> <u>Lafayette STP</u>	<u>VA0062219</u>	<u>28.00</u>	<u>Secondary</u>	
<u>C</u>	<u>X-trib to N.F.</u> <u>Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.25-</u>	<u>Lonnie J.</u> <u>Weddle</u> <u>Residence</u>	<u>VA0073229</u>	<u>0.03</u>	<u>Secondary</u>	
<u>D</u>	<u>X-trib to N.F.</u> <u>Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.25-</u>	<u>James Luther</u> <u>Residence</u>	<u>VA0073237</u>	<u>0.05</u>	<u>Secondary</u>	
<u>E</u>	<u>N.F. Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>17.57-</u>	<u>Blacksburg</u> <u>Country Club,</u> <u>Inc.</u>	<u>VA0027481</u>	<u>4.00</u>	<u>Secondary</u>	
<u>1</u>	<u>Cedar Run</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>2.64-</u> <u>0.46-</u>	<u>Wolverine</u> <u>Gasket Co.,</u> <u>Inc</u>	<u>VA0052825</u>	<u>N/A</u>	<u>Secondary</u>	
<u>F</u>	<u>Cedar Run</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.40-</u>	<u>Wendell</u> <u>Hensley</u> <u>Residence</u>	<u>VA0066737</u>	<u>0.07</u>	<u>Secondary</u>	
<u>G</u>	<u>X-trib to Cedar</u> <u>Run</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.20-</u>	<u>Ivan Gary</u> <u>Bland</u> <u>Residence</u>	<u>VA0077488</u>	<u>0.05</u>	<u>Secondary</u>	
<u>H</u>	<u>Cedar Run</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.46-</u>	<u>Velma D.</u> <u>Compton</u> <u>Residence</u>	<u>VA0080021</u>	<u>0.06</u>	<u>Secondary</u>	
<u>2</u>	<u>N.F. Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>15.21-</u>	<u>Federal</u> <u>Mogal, Inc.</u>	<u>VA0001619</u>	<u>N/A</u>	<u>Secondary</u>	

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<u>I</u>	<u>N.F. Roanoke R.</u>	<u>4A-1</u>	<u>E.L.-P</u>	<u>0.76-</u>	<u>VDOT-I-81</u> <u>Ironto Rest</u> <u>Area</u>	<u>VA0060941</u>	<u>2.80</u>	<u>Secondary</u>	
<u>3</u>	<u>X-trib to Roanoke R.</u>	<u>4A-2</u>	<u>E.L.-P</u>	<u>1.04-</u>	<u>Salem Stone</u> <u>Corp.</u>	<u>VA0006459</u>	<u>N/A</u>	<u>Secondary</u>	
<u>4</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>218.13</u> :	<u>Roanoke</u> <u>Electric Steel</u> <u>Salem Plant</u>	<u>VA0001333</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>5</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>216.33</u> :	<u>Koppers Co.</u> <u>Inc.</u>	<u>VA0001341</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>6</u>	<u>Snyders Br.</u>	<u>4A-2</u>	<u>E.L.-P</u>	<u>0.17-</u>	<u>Graham -</u> <u>White Mfg.</u> <u>Inc.</u>	<u>VA0030031</u>	<u>N/A</u>	<u>Secondary</u>	
<u>7</u>	<u>Bowmans's Br.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.20-</u>	<u>Mechanical</u> <u>Development</u> <u>Co., Inc.</u>	<u>VA002311</u>	<u>N/A</u>	<u>Secondary</u>	
<u>8</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q-DO,P</u>	<u>212.61</u> :	<u>Rowe</u> <u>Furniture</u> <u>Corp., Inc.</u>	<u>VA0024716</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>9</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.L.-</u> <u>DO,P</u>	<u>212.39</u> :	<u>Valleydale</u> <u>Packers, Inc.</u>	<u>VA0001317</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>J</u>	<u>X-trib to Mason Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.21</u>	<u>Gary L. Bryant</u> <u>Residence</u>	<u>VA0063398</u>	<u>0.07</u>	<u>Secondary</u>	
<u>K</u>	<u>Mason Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.30-</u>	<u>Roanoke</u> <u>County</u> <u>Schools</u> <u>Mason Cove</u> <u>E.S.</u>	<u>VA0027545</u>	<u>0.45</u>	<u>Secondary</u>	

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<u>L</u>	<u>Mason Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>7.79-</u>	<u>Roanoke</u> <u>Moose Lodge</u> <u>284</u>	<u>VA00 77895</u>	<u>0.53</u>	<u>Secondary</u>	
<u>M</u>	<u>Gish Br.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.80-</u>	<u>Eddie Miller</u> <u>Residence</u>	<u>VA0076759</u>	<u>0.06</u>	<u>Secondary</u>	
<u>10</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>209.58</u> <u>-</u>	<u>Virginia</u> <u>Plastics Co.,</u> <u>Inc.</u>	<u>VA0052477</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>10</u>	<u>X-trib to Mud Lick</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.47-</u>	<u>Virginia</u> <u>Plastics Co.,</u> <u>Inc.</u>	<u>VA002477</u>	<u>2.70</u>	<u>Secondary</u>	
<u>11</u>	<u>Peters Cr.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>0.26-</u>	<u>Roanoke</u> <u>Electric Steel</u> <u>Roanoke</u> <u>Plant</u>	<u>VA0001589</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>12</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>207.60</u> <u>-</u>	<u>Fuel Oil &</u> <u>Equipment</u> <u>Co., Inc.</u>	<u>VA0001252</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>13</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>207.24</u>	<u>Norfolk &</u> <u>Western</u> <u>Railways Co.,</u> <u>Inc.-Schaffers</u> <u>Crossing</u>	<u>VA0001597</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>13</u>	<u>Horton Cr.</u>	<u>4A-2</u>	<u>E.L.P.</u>	<u>0.41-</u>	<u>Norfolk &</u> <u>Western</u> <u>Railways Co.,</u> <u>Inc.-Schaffers</u> <u>Crossing</u>	<u>VA0001597</u>	<u>N/A</u>	<u>Secondary</u>	
<u>N</u>	<u>Roanoke</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>201.81</u> <u>-</u>	<u>Roanoke City</u> <u>Regional STP</u>	<u>VA0025020</u>	<u>662.00</u> <u>1173.00]</u>	<u>757.40</u> <u>1173.00]</u>	<u>927.72</u> <u>1352.00]</u>

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<u>14</u>	<u>Carvin Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>5.77-</u>	<u>Roanoke City</u> <u>Carvin Cove</u> <u>WTP</u>	<u>VA0001473</u>	<u>N/A</u>	<u>Secondary</u>	
<u>15</u>	<u>Carvin Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>4.98-</u>	<u>ITT Electro-</u> <u>Optical</u> <u>Products</u> <u>Division</u>	<u>VA0020443</u>	<u>N/A</u>	<u>Secondary</u>	
<u>16</u>	<u>Tinker Cr</u>	<u>4A-2</u>	<u>W.Q.-</u> <u>DO,P,FC</u>	<u>5.17</u>	<u>Elizabeth</u> <u>Arden, Inc.</u>	<u>VA0001635</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>17</u>	<u>Tinker Cr</u>	<u>4A-2</u>	<u>W.Q.-</u> <u>DO,P,FC</u>	<u>1.45</u>	<u>Exxon</u> <u>Company,</u> <u>USA, Inc.</u>	<u>VA0079006</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>18</u>	<u>Lick Run</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>3.51-</u>	<u>Norfolk &</u> <u>Western</u> <u>Railways Co.,</u> <u>Inc.-Schaffers</u> <u>Crossing</u>	<u>VA0001597</u>	<u>N/A</u>	<u>Secondary</u>	
<u>18</u>	<u>Lick Run</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.12-</u>	<u>Norfolk &</u> <u>Western</u> <u>Railways Co.,</u> <u>Inc.-East End</u> <u>Shops</u>	<u>VA0001511</u>	<u>N/A</u>	<u>Secondary</u>	
<u>O</u>	<u>X-trib to Glade Cr</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.60-</u>	<u>R.W. Bowers</u> <u>Commerical</u> <u>Dev.</u>	<u>VA0068497</u>	<u>0.06</u>	<u>Secondary</u>	
<u>P</u>	<u>X-trib to Glade Cr</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.24-</u>	<u>Geraldine B.</u> <u>Carter</u> <u>Residence</u>	<u>VA0076546</u>	<u>0.06</u>	<u>Secondary</u>	

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<u>Q</u>	<u>Coyner Spring Br.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.50-</u>	<u>Roanoke City- Coyner Springs STP</u>	<u>VA0021121</u>	<u>0.80</u>	<u>Secondary</u>	
<u>R</u>	<u>Back Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>16.14-</u>	<u>Roanoke Sanitary Disposal Corp.-Starkey STP</u>	<u>VA0027103</u>	<u>45.40</u>	<u>Secondary</u>	
<u>19</u>	<u>[Back Cr.]</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.48-</u>	<u>Shell Oil Co., Inc.</u>	<u>VA0001431</u>	<u>N/A</u>	<u>Secondary</u>	
<u>S</u>	<u>X-trib to Back Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>1.00-</u>	<u>Suncrest Development Co., Inc.- Suncrest Heights STP</u>	<u>VA0028711</u>	<u>2.30-</u>	<u>Secondary</u>	
<u>20</u>	<u>Falling Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>7.70-</u>	<u>Roanoke City- Falling Cr. WTP</u>	<u>VA0001465</u>	<u>N/A</u>	<u>Secondary</u>	
<u>I</u>	<u>X-trib to Falling Cr.</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.32-</u>	<u>Oak Ridge Mobile Home Park</u>	<u>VA0078392</u>	<u>3.40</u>	<u>Secondary</u>	
<u>U</u>	<u>Nat Branch</u>	<u>4A-2</u>	<u>E.L.-P.</u>	<u>0.59-</u>	<u>Bedford County Schools Stewartville E.S.</u>	<u>VA0020842</u>	<u>0.50</u>	<u>Secondary</u>	
<u>V</u>	<u>Roanoke R.</u>	<u>4A-2</u>	<u>W.Q.-DO,P</u>	<u>182.76</u> <u>-</u>	<u>L. Jack & Vicki S. Browning Residence</u>	<u>VA00 67229</u>	<u>0.07</u>	<u>0.07</u>	<u>170.07</u>

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<u>W</u>	<u>X-trib to Little Cr.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>0.16-</u>	<u>Robert R. Walter Residence</u>	<u>VA0074004</u>	<u>0.05</u>	<u>Secondary</u>	
<u>X</u>	<u>X-trib to Teals Cr.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>0.96-</u>	<u>Franklin County Schools Boones Mill E.S.</u>	<u>VA0060291</u>	<u>.50</u>	<u>Secondary</u>	
<u>21</u>	<u>Black[]water R.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>40.05-</u>	<u>Rocky Mount Town Black[]water R. WTP</u>	<u>VA0055999</u>	<u>N/A/</u>	<u>Secondary</u>	
<u>Y</u>	<u>Blackwater R.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>38.95-</u>	<u>Franklin Manor Home for Adults</u>	<u>VA006755[5]</u>	<u>1.70</u>	<u>Secondary</u>	
<u>Z</u>	<u>X-trib to Blackwater R.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>1.15-</u>	<u>Franklin County Schools Rocky Mount E.S.</u>	<u>VA0060283</u>	<u>0.80</u>	<u>Secondary</u>	
<u>AA</u>	<u>X-trib to Maggodee Cr.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>0.28-</u>	<u>Boones Mill Town- Sand Filter</u>	<u>VA0078401</u>	<u>0.50</u>	<u>Secondary</u>	
<u>AB</u>	<u>Maggodee Cr.</u>	<u>4A-3</u>	<u>E.L.-P.</u>	<u>14.51</u>	<u>Boones Mill Town STP</u>	<u>VA0067245</u>	<u>3.40</u>	<u>Secondary</u>	
<u>AC</u>	<u>Roanoke R.</u>	<u>A-5</u>	<u>E.L.- P.</u>	<u>158.09</u> <u>:</u>	<u>APCO- SML Dam Visitors Center</u>	<u>VA0074179</u>	<u>0.57</u>	<u>Secondary</u>	

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<u>AD</u>	<u>Roanoke R.</u>	<u>4A-5</u>	<u>E.L.-P.</u>	<u>157.49</u>	<u>APCO- SML</u> <u>Dam Picnic</u> <u>Area</u>	<u>VA0074217</u>	<u>0.57</u>	<u>Secondary</u>	
<u>AE</u>	<u>Storey Cr.</u>	<u>4A-4</u>	<u>W.Q.-DO</u>	<u>9.78-</u>	<u>Ferrum Water</u> <u>& Sewage</u> <u>Authority</u> <u>Ferrum STP</u>	<u>VA0029254</u>	<u>14.20</u>	<u>14.20</u>	<u>14.60</u>
<u>23</u>	<u>X-trib to Pigg R.</u>	<u>4A-4</u>	<u>E.L.</u>	<u>1.28-</u>	<u>The Lane</u> <u>Company-</u> <u>Rocky Mount</u> <u>Plant</u>	<u>VA0098438</u>	<u>N/A</u>	<u>Secondary</u>	
<u>22</u>	<u>Pigg R.</u>	<u>4A-4</u>	<u>W.Q.-DO</u>	<u>57.24-</u>	<u>Ronile, Inc.</u>	<u>VA0076015</u>	<u>14.80</u>	<u>14.80</u>	<u>34.98</u>
<u>AF</u>	<u>Pigg R.</u>	<u>4A-4</u>	<u>W.Q.-DO</u>	<u>56.72-</u>	<u>Rocky Mt.</u> <u>Town Existing</u> <u>STP</u>	<u>VA0023728</u>	<u>133.00</u>	<u>133.00</u>	<u>153.18</u>
				<u>52.68-</u>	<u>Rocky Mt.</u> <u>Town</u> <u>Proposed STP</u>	<u>VA0085952</u>		<u>133.00</u>	
<u>24</u>	<u>X-trib to Powder</u> <u>Mill Cr.</u>	<u>4A-4</u>	<u>E.L.</u>	<u>1.64-</u>	<u>Rocky Top</u> <u>Wood</u> <u>Preservers</u> <u>Inc.</u>	<u>VA0080071</u>	<u>N/A</u>	<u>Secondary</u>	
<u>AG</u>	<u>Willow Cr.</u>	<u>4A-4</u>	<u>E.L.</u>	<u>1.30-</u>	<u>Town &</u> <u>Country</u> <u>Subdivision</u>	<u>VA0028657</u>	<u>4.50</u>	<u>Secondary</u>	
<u>25</u>	<u>S.F. Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>6.77-</u>	<u>Blue Ridge</u> <u>Stone Corp.-</u> <u>Blue Ridge</u> <u>Plant</u>	<u>VA0050636</u>	<u>N/A</u>	<u>Secondary</u>	

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<u>AH</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.66-</u>	<u>Woodhaven Village, Inc.</u>	<u>VA0074870</u>	<u>0.50</u>	<u>Secondary</u>	
<u>26</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.08</u>	<u>Conoco, Inc.</u>	<u>VA0055328</u>	<u>N/A</u>	<u>Secondary</u>	
<u>27</u>	<u>S.F. Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>2.58-</u>	<u>Chevron USA, Inc.</u>	<u>VA0026051</u>	<u>N/A</u>	<u>Secondary</u>	
<u>28</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.20-</u>	<u>Phillips Petroleum Co., Inc.</u>	<u>VA0051446</u>	<u>N/A</u>	<u>Secondary</u>	
<u>29</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.04-</u>	<u>Amoco Oil Co., Inc.</u>	<u>VA0054577</u>	<u>N/A</u>	<u>Secondary</u>	
<u>29</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.06-</u>	<u>Amoco Oil Co., Inc.</u>	<u>VA0054577</u>	<u>N/A</u>	<u>Secondary</u>	
<u>29</u>	<u>X-trib to Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.14-</u>	<u>Amoco Oil Co., Inc.</u>	<u>VA0054577</u>	<u>N/A</u>	<u>Secondary</u>	
<u>30</u>	<u>S.F. Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>2.30-</u>	<u>Colonial Pipeline Co., Inc.</u>	<u>VA0051721</u>	<u>N/A</u>	<u>Secondary</u>	
<u>AI</u>	<u>X-trib to N.F. Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.20-</u>	<u>Bedford County Schools- Montvale E.S.</u>	<u>VA0066206</u>	<u>0.42</u>	<u>Secondary</u>	
<u>31</u>	<u>S.F. Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>2.18-</u>	<u>Texaco, Inc.</u>	<u>VA0001490</u>	<u>N/A</u>	<u>Secondary</u>	
<u>AJ</u>	<u>X-trib to Day Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>1.79-</u>	<u>Camp Virginia Jaycee Inc.</u>	<u>VA0060909</u>	<u>1.70</u>	<u>Secondary</u>	
<u>AK</u>	<u>X-trib to Reed Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.84-</u>	<u>Robincrest Mobile Home Park</u>	<u>VA0078413</u>	<u>2.70</u>	<u>Secondary</u>	

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<u>AL</u>	<u>X-trib to Wolf Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.95</u>	<u>Bedford County Schools Thaxton E.S.</u>	<u>VA0020869</u>	<u>0.30</u>	<u>Secondary</u>	
<u>AM</u>	<u>X-trib to Shoulder Run</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.95-</u>	<u>Bedford County Schools- Staunton River H.S.</u>	<u>VA0068063</u>	<u>2.90</u>	<u>Secondary</u>	
<u>AN</u>	<u>Goose Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>19.55-</u>	<u>Camp Tipacanoe Inc.</u>	<u>VA0068063</u>	<u>1.10</u>	<u>Secondary</u>	
<u>AO</u>	<u>Mattock Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>3.76-</u>	<u>VDOC- Filed Unit #24 Smith Mtn. Lake</u>	<u>VA0023515</u>	<u>2.40</u>	<u>Secondary</u>	
<u>32</u>	<u>Staunton (Roa.) R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>129.72</u> -	<u>Burlington Industries- Klopman Division Altavista Plant</u>	<u>VA0001678</u>	<u>530.00</u>	<u>Secondary</u>	
<u>33</u>	<u>Staunton (Roa.) R</u>	<u>4A-5</u>	<u>E.L.</u>	<u>128.96</u> -	<u>Altavista Town WTP</u>	<u>VA0027189</u>	<u>N/A</u>	<u>Secondary</u>	
<u>34</u>	<u>Staunton (Roa.) R</u>	<u>4A-5</u>	<u>E.L.</u>	<u>128.94</u> -	<u>The Lane Co., Inc. Altavista Plant</u>	<u>VA0001520</u>	<u>N/A</u>	<u>Secondary</u>	
	<u>Staunton (Roa.) River</u>	<u>4A-5</u>	<u>E.L.</u>		<u>Town of Hurt (Proposed)</u>			<u>Secondary</u>	
<u>AP</u>	<u>Staunton (Roa.) R</u>	<u>4A-5</u>	<u>E.L.</u>	<u>127.96</u> -	<u>Altavista Town STP</u>	<u>VA0020451</u>	<u>204.00</u>	<u>Secondary</u>	

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<u>35</u>	<u>Staunton (Roa.) R</u>	<u>4A-5</u>	<u>E.L.</u>	<u>126.39</u>	<u>Ross Laboratories</u>	<u>VA0001716</u>	<u>66.20</u>	<u>Secondary</u>	
<u>36</u>	<u>X-trib to Big Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>1.63-</u>	<u>Bedford City WTP</u>	<u>VA0001503</u>	<u>N/A</u>	<u>Secondary</u>	
<u>37</u>	<u>Roaring Run</u>	<u>4A-5</u>	<u>E.L.</u>	<u>3.26-</u>	<u>Gunnoe Sausage Co., Inc.</u>	<u>VA0001449</u>	<u>0.55</u>	<u>Secondary</u>	
<u>AQ</u>	<u>X-trib to Big Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>1.15-</u>	<u>Bedford County Schools Otter River E.S.</u>	<u>VA0020851</u>	<u>0.40</u>	<u>Secondary</u>	
<u>38</u>	<u>X-trib to Little Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.76-</u>	<u>Wheelbrator Frye, Inc.</u>	<u>VA0058033</u>	<u>N/A</u>	<u>Secondary</u>	
<u>AR</u>	<u>X-trib to Little Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.42-</u>	<u>Bedford County Schools – Liberty H.S.</u>	<u>VA0020796</u>	<u>2.80</u>	<u>Secondary</u>	
<u>AS</u>	<u>Little Otter R.</u>	<u>4A-5</u>	<u>W.Q.-DO</u>	<u>14.36-</u>	<u>Bedford City STP</u>	<u>VA0022390</u>	<u>52.80</u>	<u>52.80</u>	<u>64.15</u>
<u>39</u>	<u>Johns Cr.</u>	<u>4A-5</u>	<u>W.Q.-DO</u>	<u>2.61-</u>	<u>Golden West Foods, Inc.</u>	<u>VA0056430</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
<u>AT</u>	<u>X-trib to Wells Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>2.22-</u>	<u>Bedford Country Schools Body Camp E.S.</u>	<u>VA0020818</u>	<u>0.40</u>	<u>Secondary</u>	
<u>AU</u>	<u>X-trib to Big Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>1.20-</u>	<u>David T. Callahan Residence</u>	<u>VA0080667</u>	<u>0.57</u>	<u>Secondary</u>	

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<u>AV</u>	<u>X-trib to Buffalo Cr</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.67-</u>	<u>Bedford Country Schools New London Academy</u>	<u>VA0020826</u>	<u>0.50</u>	<u>Secondary</u>	
<u>AW</u>	<u>Buffalo Cr</u>	<u>4A-5</u>	<u>E.L.</u>	<u>12.42-</u>	<u>Alum Springs Shopping Center</u>	<u>VA0078999</u>	<u>4.50</u>	<u>Secondary</u>	
<u>40</u>	<u>Big Otter R.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>11.74-</u>	<u>Campbell Country USA (Proposed WTP)</u>	<u>VA007816146</u>	<u>N/A</u>	<u>Secondary</u>	
<u>BF</u>	<u>X-trib to Big Otter R</u>	<u>4A-5</u>	<u>E.L.</u>	<u>1.07-</u>	<u>Otterwood Grocery Store</u>	<u>VA0082732</u>	<u>0.05</u>	<u>Secondary</u>	
<u>AX</u>	<u>Flat Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>13.34-</u>	<u>Virginia Track & Equipment Corp.</u>	<u>VA0068594</u>	<u>0.03</u>	<u>Secondary</u>	
<u>BD</u>	<u>X-trib to Flat Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.68</u>	<u>Montague Betts Co, Inc.</u>	<u>VA0075116</u>	<u>0.45</u>	<u>Secondary</u>	
<u>41</u>	<u>Flat Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>12.62-</u>	<u>Blue Ridge Stone Corp. Lynchburg Plant</u>	<u>VA0050628</u>	<u>N/A</u>	<u>Secondary</u>	
<u>AY</u>	<u>X-trib to Flat Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.12-</u>	<u>Winebarger Corp</u>	<u>VA0074969</u>	<u>0.70</u>	<u>Secondary</u>	
<u>AZ</u>	<u>Smith Br.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>2.82-</u>	<u>Briarwood Village</u>	<u>VA0031194</u>	<u>2.70</u>	<u>Secondary</u>	
<u>BE</u>	<u>X-trib to Flat Cr.</u>	<u>4A-5</u>	<u>E.L.</u>	<u>0.88-</u>	<u>Ralph P. Shepard Residence</u>	<u>VA0081591</u>	<u>0.05</u>	<u>Secondary</u>	

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<i>BA</i>	<i>X-trib to Flat Cr.</i>	<i>4A-5</i>	<i>E.L.</i>	<i>1.16-</i>	<i>Phillips, Arthur, Phillips Tract #6</i>	<i>VA0068098</i>	<i>0.05</i>	<i>Secondary</i>	
<i>BB</i>	<i>X-trib to Flat Cr.</i>	<i>4A-5</i>	<i>E.L.</i>	<i>1.12-</i>	<i>Kyle E. & Annette D. Shupe Residence</i>	<i>VA0068080</i>	<i>0.05</i>	<i>Secondary</i>	
<i>BC</i>	<i>X-trib to Flat Cr.</i>	<i>4A-5</i>	<i>E.L.</i>	<i>1.08-</i>	<i>Wayne E. & Sherina D. Shupe Residence</i>	<i>VA0068071</i>	<i>0.05</i>	<i>Secondary</i>	
<i>BG</i>	<i>X-trib to Troublesome Cr.</i>	<i>4A-5</i>	<i>E.L.</i>	<i>2.15-</i>	<i>Kelly Convenience Store</i>	<i>VA0067078</i>	<i>0.11</i>	<i>Secondary</i>	

NOTES:

N/A - Not Applicable - currently no BOD5 limits or wasteload have been required by the VPDES Permit. Should BOD5 be required a WQMP amendment would be necessary for Water Quality Limited Segments only.

- 1 Secondary Treatment levels are required in Effluent Limited segments. Quantities listed for Water Quality Limited segments represent wasteload allocation.
- 2 Ending river miles are not available at this time.
- 3 These allocations represent current and original (1976 WQMP) modeling with the exception of the Altavista segment, river miles 130.00 to 119.00 on the Staunton (Roanoke) River. Future revisions may be necessary based on State Water Control Board approved modeling.
- 4 The VPDES Permit Limit presented here is a future loading, not the current VPDES Permit limitation. The permitting process will determine the current loading not to exceed 1173 kg/d WLA established by this plan.
5. The current permitted BOD₅ loading for this facility is 30 mg/l monthly average and 45 mg/l daily maximum. Based on maximum flows reported by this facility for 1987-88 (0.389 mgd) the resulting wasteload is 66.2 kg/d. Revocation of the permit has been requested by the permittee.

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9 VAC 25-720-90. Tennessee- Big Sandy River Basin.

A. Total maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

9 VAC 25-720-90 Sewerage Service Areas.

TABLE B1 - SEWERAGE SERVICE AREAS

<u>Map¹ No.</u>	<u>Locality</u>	<u>Receiving Stream Classification²</u>	<u>NPDES LIMITS³</u>			<u>Status of Applicable⁴ Section 201 Programs (March 1977)</u>
			<u>FLOW (mgd)</u>	<u>BOD₅ (1lbs/day)</u>	<u>SS (lbs/day)</u>	
<u>14T</u>	<u>Abingdon</u>	<u>EL</u>	<u>0.6</u>	<u>840</u>	<u>840</u>	<u>Step III at EPA for award.</u>
<u>14B</u>	<u>Amonate</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>4T</u>	<u>Appalachia</u>	<u>EL</u>	<u>0.3</u>	<u>75</u>	<u>75</u>	<u>To be studied with Big Stone Gap</u>
<u>5T</u>	<u>Big Stone Gap</u>	<u>EL</u>	<u>0.8</u>	<u>240</u>	<u>240</u>	<u>Recommended for FY 77 Step 1.</u>
<u>13B</u>	<u>Bishop</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>

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	<u>Bristol</u>	<u>EL</u>	<u>Served by plant in Tennessee</u>			<u>Health hazard area to be served by collection system funded in FY 76. Extension of existing interceptor into Bearer Creek & Sinking Creek area to be funded by Region IV EPA and Tennessee. Also infiltration/inflow study to be funded in FY 77.</u>
<u>23T</u>	<u>Chilhowie</u>	<u>EL</u>	<u>0.265</u>	<u>68.5</u>	<u>79.6</u>	<u>Proposed Step I study with Marion.</u>
	<u>Cleveland</u>	<u>WQ</u>	<u>0.05</u>	<u>12.5</u>	<u>12.5</u>	<u>Step III grant awarded by EPA.</u>
	<u>Clinchport</u>	<u>WQ</u>	<u>Not to exceed present discharge</u>			<u>Town and Country Authority has not yet applied for Step I from FY 76 funds.</u>
<u>2B</u>	<u>Clintwood</u>	<u>WQ</u>	<u>0.235</u>	<u>*70.5/117.5</u>	<u>*70.5/117.5</u>	<u>On FY 77 list for Step I.</u>
<u>11 T</u>	<u>Coeburn</u>	<u>WQ</u>	<u>0.4</u>	<u>160</u>	<u>160</u>	<u>On FY 77 list for Step I.</u>
<u>18T</u>	<u>Damascus</u>	<u>EL</u>	<u>0.25</u>	<u>62.5</u>	<u>62.5</u>	<u>Final audit and inspection of facility completed.</u>
<u>6T</u>	<u>Duffield</u>	<u>EL</u>	<u>0.075</u>	<u>30</u>	<u>30</u>	<u>Not on priority list.</u>
	<u>Dungannon-Fort Blackmore</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>10T</u>	<u>Gate City-Weber City</u>	<u>EL</u>	<u>0.504</u>	<u>*151/252</u>	<u>*151/252</u>	<u>Step I in progress.</u>
<u>3B, 5B</u>	<u>Harmon-Big Rock</u>		<u>1.25</u>	<u>156</u>	<u>312</u>	<u>System is approved by state and submitted to EPA.</u>
<u>6B, 7B</u>	<u>Grundy-Vansant</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>System is approved and submitted to EPA.</u>
<u>9B</u>	<u>Haysi</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Step I plan is complete. Town disapproved plan. SWCB evaluating alternatives.</u>

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<u>8B T</u>	<u>Hurley</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Step I plan complete and under review by state.</u>
<u>1T</u>	<u>Jonesville</u>	<u>EL</u>	<u>0.15</u>	<u>38</u>	<u>38</u>	<u>Not on priority list.</u>
<u>13T</u>	<u>Lebanon</u>	<u>WQ</u>	<u>0.2</u>	<u>60</u>	<u>60</u>	<u>Step III application at EPA.</u>
<u>25T</u>	<u>Marion</u>	<u>EL</u>	<u>1.7</u>	<u>510</u>	<u>510</u>	<u>Step I recommended for FY 77. Marion is proceeding on infiltration/inflow study under prior approval from EPA.</u>
	<u>Nickelsville</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>7T,8T</u>	<u>Norton</u>	<u>WQ</u>	<u>0.77.0. 22</u>	<u>832,371</u>	<u>640,0184</u>	<u>Step I in process (with Wise).</u>
<u>2T</u>	<u>Pennington Gap</u>	<u>EL</u>	<u>0.315</u>	<u>410</u>	<u>315</u>	<u>Step I recommended for FY 76. Community has not yet completed Step I application.</u>
<u>1 B</u>	<u>Pound</u>	<u>WQ</u>	<u>0.175</u>	<u>44</u>	<u>44</u>	<u>Step III funded by EPA. Facility nearly completed.</u>
<u>19T</u>	<u>Raven-Doran</u>	<u>WQ</u>	<u>0.26</u>	<u>67.2</u>	<u>78</u>	<u>System to remain unchanged.</u>
<u>20T</u>	<u>Richlands</u>	<u>WQ</u>	<u>0.8</u>	<u>845</u>	<u>650</u>	<u>Step I in process. Step II recommended in FY 77.</u>
	<u>Rosedale</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
	<u>Rose Hill- Ewing</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>3T</u>	<u>St. Charles</u>	<u>EL</u>	<u>0.125</u>	<u>25</u>	<u>25</u>	<u>Abandonment proposed. Then to be served by Pennington Gap, subject to recommendations of Facility Plan.</u>
<u>12T</u>	<u>St. Paul</u>	<u>WQ</u>	<u>0.4</u>	<u>100</u>	<u>100</u>	<u>Complete and audited by EPA.</u>
<u>22T</u>	<u>Saltville</u>	<u>EL</u>	<u>0.5</u>	<u>125</u>	<u>125</u>	<u>Complete and audited by EPA.</u>

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	<u>Sugar Grove- Teas</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>15T</u>	<u>Swords Creek- Honaker</u>	<u>EL</u>	<u>0.144</u>	<u>187</u>	<u>144</u>	<u>Step I in FY 76. Step II recommended in FY 77.</u>
<u>24 T</u>	<u>Tazewell, Town of</u>	<u>EL</u>	<u>0.70</u>	<u>*210/350</u>	<u>*210/350</u>	<u>Step I recommended in FY 77.</u>
<u>10B, 11B, 12B</u>	<u>Trammel- McClure</u>	<u>WQ</u>	<u>Permit to be issued in future</u>			<u>Not on priority list.</u>
<u>9T</u>	<u>Wise</u>	<u>WQ</u>	<u>0.28</u>	<u>112</u>	<u>112</u>	<u>Step I in progress (with Norton).</u>

¹ Dischargers are shown on Plate 3-B (Map No. with "B" designates Big Sandy) and 3-T (Map No. with "T" designates Tennessee).

² Effluent Limiting (EL) or Water Quality (WQ).

³ For existing sewage treatment facility.

⁴ For new sewage treatment facility.

*Seasonal NPDES allowable loading: April to September/ October to March

Source: Thompson & Litton and State Water Control Board

9 VAC 25-720-100. Chowan River- Dismal Swamp River Basin (Reserved).**9 VAC 25-720-110. Chesapeake Bay – Small Coastal – Eastern Shore River Basin.**

A. Total maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

9 VAC 25-720*Small Coastal and Chesapeake Bay-*TABLE B1 - CURRENT STREAM SEGMENT CLASSIFICATION

<u>Segment No.</u>	<u>Name</u>	<u>Current State</u> <u>[Class]</u>
<u>7-12A</u>	<u>Pocomoke Sound</u>	<u>EL</u>
<u>7-12B</u>	<u>Messongo Creek</u>	<u>EL</u>
<u>7-12C</u>	<u>Beasley Bay</u>	<u>EL</u>
<u>7-12D</u>	<u>Chesconessex Creek</u>	<u>EL</u>
<u>7-13</u>	<u>Onancock Creek</u>	<u>WQ</u>
<u>7-14</u>	<u>Pungoteague</u>	<u>WQ</u>
<u>7-12E</u>	<u>Nandua Creek</u>	<u>EL</u>
<u>7-15</u>	<u>Occohannock Creek</u>	<u>WQ</u>
<u>7-12F</u>	<u>Nassawadox Creek</u>	<u>EL</u>
<u>7-12G</u>	<u>Hungars Creek</u>	<u>EL</u>
<u>7-12H</u>	<u>Cherrystone Inlet</u>	<u>EL</u>
<u>7-12I</u>	<u>South Bay</u>	<u>EL</u>
<u>7-12J</u>	<u>Tangier Island</u>	—
<u>7-11A</u>	<u>Chincoteague</u>	<u>EL</u>
<u>7-11B</u>	<u>Hog Bogue</u>	<u>EL</u>
<u>7-11C</u>	<u>Metomkim Bay</u>	<u>EL</u>
<u>7-11D</u>	<u>Machipongo River</u>	<u>EL</u>
<u>7-11E</u>	<u>South Ocean</u>	<u>EL</u>

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TABLE B2 - EASTERN SHORE WASTELOAD ALLOCATIONS

NAME	RECEIVING STREAM OR ESTUARY	INTERIM WASTELOAD ALLOCATIONS ⁽¹⁾			FINAL WASTELOAD ALLOCATIONS		
		BOD ₅ (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)	(Current Permit Limits)		
		BOD ₅ (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)	BOD ₅ (lb/d)	SUSPENDED SOLIDS (lb/d)	OIL & GREASE (lb/d)
<u>Commonwealth of Va. Rest Area</u>	<u>Pitts Cr.</u>	<u>4.3</u>	<u>4.3</u>	--	<u>4.3</u>	<u>4.3</u>	--
<u>Edgewood Park</u>	<u>Bullbegger Cr.</u>	<u>0.80</u>	<u>0.80</u>	--	<u>0.80</u>	<u>0.80</u>	--
<u>Holly Farms</u>	<u>Sandy Bottom Cr.</u>	<u>167(3)</u>	<u>167(3)</u>	<u>10 mg/l</u>	<u>Stream survey/model and determination of final wasteload allocations planned for the summer of 1980.</u>		
<u>Taylor Packing Company</u>	<u>Messongo Cr.</u>	<u>7006(3)</u>	<u>13010(3)</u>	--	<u>Stream survey/model was run previously. No change in permit anticipated.</u>		
<u>No. Accomack E.S.</u>	<u>Messongo Cr.</u>	<u>1.8</u>	<u>1.4</u>	--	<u>1.8</u>	<u>1.4</u>	--
<u>Messick & Wessels Nelsonia</u>	<u>Muddy Cr.</u>	<u>30mg/l⁽⁴⁾</u>	<u>30mg/l⁽⁴⁾</u>	--	<u>Interim wasteload allocations may be changed based on BAT guidance.</u>		
<u>Whispering Pines Motel</u>	<u>Deep Cr.</u>	<u>4.8</u>	<u>4.8</u>	--	<u>4.8</u>	<u>4.8</u>	--
<u>Town of Onancock</u>	<u>Onancock Cr.</u>	<u>21</u>	<u>21</u>	--	<u>21</u>	<u>21</u>	--
<u>Messick & Wessels</u>	<u>Onancock Cr.</u>	<u>30mg/l⁽⁴⁾</u>	<u>30mg/l⁽⁴⁾</u>	--	<u>Interim wasteload allocations may be changed based on guidance.</u>		

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<u>So. Accomack E.S.</u>	<u>Pungoteague Cr.</u>	<u>1.8</u>	<u>1.4</u>	--	<u>1.8</u>	<u>1.4</u>	--
<u>A & P Exmore</u>	<u>Nassawadox Cr.</u>	<u>0.38</u>	<u>0.38</u>	--	<u>0.38</u>	<u>0.38</u>	--
<u>Norstrom Coin Laundry</u>	<u>Nassawadox Cr.</u>	<u>60mg/l⁽⁴⁾ max.</u>	<u>60mg/l⁽⁴⁾ max.</u>	--	<u>Interim wasteload allocation may be changed based on BAT guidance.</u>		
<u>NH-Acc. Memorial Hospital</u>	<u>Warehouse Cr.</u>	<u>12.5</u>	<u>12.5</u>	--	<u>21.5</u>	<u>12.5</u>	--
<u>Machipongo E.S. & H.H. Jr. High</u>	<u>Trib. To Oresbus Cr.</u>	<u>5.2</u>	<u>5.2</u>	--	<u>5.2</u>	<u>5.2</u>	--
<u>Town of Cape Charles</u>	<u>Cape Charles Harbor</u>	<u>62.6</u>	<u>62.6</u>	--	<u>62.6</u>	<u>62.6</u>	--
<u>America House</u>	<u>Chesapeake Bay</u>	<u>5</u>	<u>5</u>	--	<u>5</u>	<u>5</u>	--
<u>U.S. Coast Guard Chesapeake Bay</u>	<u>Chesapeake Bay</u>	--	--	<u>10/mg/l⁽⁵⁾</u>	--	--	<u>10/mg/l⁽⁵⁾</u>
<u>U.S. Government Cape Charles AFB</u>	<u>Magothy Bay</u>	<u>Currently No Discharge</u>					
<u>Exmore Foods (Process Water)</u>	<u>Trib. To Parting Cr.</u>	<u>200</u>	<u>100</u>	--	<u>Stream survey/model and determination of final wasteload allocations planned for the summer of 1980.</u>		
<u>Exmore Foods (Sanitary)</u>	<u>Trib. To Parting Cr.</u>	<u>30mg/l⁽⁵⁾</u>	<u>30mg/l⁽⁵⁾</u>	--	<u>30mg/l⁽⁵⁾</u>	<u>30mg/l⁽⁵⁾</u>	--
<u>Perdue Foods (process water)</u>	<u>Parker Cr.</u>	<u>May-Oct 275 367</u> <u>Nov-Apr. 612 797</u>	--	--	<u>Interim Permit in process. Stream survey/models were run. No substantial change in permit anticipated.</u>		

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<u>Perdue Foods</u> <u>(parking lot)</u>	<u>Parker Cr.</u>	<u>30mg/l(5)</u>	<u>30mg/l(5)</u>	--	<u>30mg/l(5)</u>	<u>30mg/l(5)</u>	--
<u>Accomack Nursing</u> <u>Home</u>	<u>Parker Cr.</u>	<u>2.7</u>	<u>2.6</u>	--	<u>2.7</u>	<u>2.6</u>	--
<u>U.S. Gov't NASA</u> <u>Wallops Island</u>	<u>Mosquito Cr.</u>	<u>75</u>	<u>75</u>	--	<u>75</u>	<u>75</u>	--
<u>U.S. Gov't NASA</u> <u>Wallops Island</u>	<u>Cat Cr.</u>	<u>1.25</u>	<u>1.25</u>	--	<u>1.25</u>	<u>1.25</u>	--
<u>F & G Laundromat</u>	<u>Chincoteague</u> <u>Channel</u>	<u>10</u>	<u>4.8</u>	--	<u>Interim wasteload allocations may be</u> <u>changed based on BAT guidance.</u>		
<u>U.S. Coast Guard</u>	<u>Chincoteague</u> <u>Channel</u>	--	--	<u>15mg/l</u> <u>(max.)</u>	--	--	<u>15mg/l</u> <u>(max.)</u>
<u>Virginia-Carolina</u> <u>Seafood</u>	<u>Chincoteague</u> <u>Bay</u>	<u>342</u>	<u>264</u>	<u>5.5</u>	<u>342</u>	<u>264</u>	<u>5.5</u>
<u>Reginald Stubbs</u> <u>Seafood Co.</u> <u>(VA0005813)</u>	<u>Assateague</u> <u>Channel</u>	--	<u>20</u>	<u>95</u>	--	<u>20</u>	<u>95</u>
<u>Reginald Stubbs</u> <u>Seafood Co.</u> <u>(VA00056421)</u>	<u>Assateague</u> <u>Channel</u>	--	<u>20^d</u>	<u>98</u>	--	<u>20.4⁽²⁾</u>	<u>98</u>
<u>Shreaves</u>	<u>Chincoteague</u> <u>Bay</u>	--	<u>16⁽²⁾</u>	<u>1.4⁽²⁾</u>	--	<u>16⁽²⁾</u>	<u>1.4⁽²⁾</u>
<u>Chincoteague</u> <u>Seafood</u>	<u>Chincoteague</u> <u>Bay</u>	<u>342</u>	<u>264</u>	<u>5.5</u>	<u>342</u>	<u>264</u>	<u>5.5</u>

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TABLE B3 - EXISTING OR POTENTIAL SOURCES OF WATER POLLUTION

<u>Location No.</u>	<u>Name</u>	<u>Receiving Estuary</u>	<u>Stream</u>	<u>Flow (MGD)</u>	<u>CBOD (mg/#D)</u>	<u>NBOD (mg/#D)</u>	<u>Total Suspended Solids (mg/#D)</u>	<u>D.O. (mg/l)</u>	<u>FC (MPN/100ml)</u>	<u>Treatment/ Operation</u>
1	<u>Comm. Va. Rest Area</u>	<u>Pocomoke Sound</u>	<u>Pitts Cr.</u>	<u>.003</u>	<u>7/0.18</u>		<u>10/0.3</u>	<u>7.5</u>	<u>1</u>	<u>Extended aeration. Sec. Holding pond. CL₂</u>
2	<u>H.E. Kelley</u>	<u>Pocomoke Sound</u>	<u>Pitts Cr.</u>							<u>Currently no discharges. Out of business</u>
3	<u>Edgewood Park</u>	<u>Pocomoke Sound</u>	<u>Bullbegger Creek</u>	<u>.006⁽³⁾</u>	<u>16/0.8⁽²⁾</u>		<u>16/0.8²</u>			<u>PRI, CL₂. Holding Pond</u>
4	<u>Holly Farms</u>	<u>Pocomoke Sound</u>	<u>Sand Bottom Creek</u>	<u>0.18</u>	<u>6/40</u>		<u>15/100</u>	<u>8.0</u>	<u>100</u>	<u>Aerated Lagoons. CL₂</u>
5	<u>J.W. Taylor</u>	<u>Messongo Creek</u>	<u>Trib. To Messongo</u>	<u>.001</u>	<u>60/50</u>		<u>150/125</u>	<u>8.0</u>		<u>Aerated Lagoons</u>
6	<u>No. Accomack E.S.</u>	<u>Messongo Creek</u>	<u>Trib. To Messongo</u>	<u>.005</u>	<u>22/0.9</u>		<u>30/1.3</u>	<u>9.0</u>		<u>Sec., Septic Tank, Sand Filter Holding Pond</u>
7	<u>Messick & Wessells-Nelsonia</u>	<u>Beasly Bay</u>	<u>Muddy Creek</u>	<u>.005</u>	<u>125/5.2</u>		<u>100/4.2</u>			<u>Sec., Extended Aeration</u>
8	<u>Willets Laundromat</u>	<u>Beasly Bay</u>	<u>Hunting Creek</u>							<u>Prl., Septic Tank</u>
9	<u>Byrd Food</u>	<u>Beasly Bay</u>								<u>No discharge industry</u>

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10	<u>Whispering Pines Motel</u>	<u>Beasley Bay</u>	<u>Deep Creek</u>	<u>.009</u>	<u>25/1.9</u>		<u>30/2.3</u>	<u>6.0</u>		<u>Sec., Extended Aeration Holding Pond, CL₂</u>
11	<u>Town of Onancock</u>	<u>Onancock Creek</u>	<u>North Fork</u>	<u>.19</u>	<u>2/3.2</u>		<u>3/ 4.8</u>	<u>7.5</u>	<u>3</u>	<u>Primary, Primary Settling Sludge Digestion, CL₂</u>
12	<u>Messick & Wessels-Onley</u>	<u>Onancock Creek</u>	<u>Joynes Branch</u>	<u>.005</u>	<u>100/4.2</u>		<u>150/6.3</u>			<u>Sec., Extended Aeration</u>
13	<u>So. Accomack E.S.</u>	<u>Pungoteague</u>	<u>Trib. To Pungoteague</u>		<u>24/1.8⁽²⁾</u>		<u>19/1.4⁽²⁾</u>			<u>Sec., Septic Tank, Grease Trap, Sand Filter, Holding Pond. No discharge in 4 yrs.</u>
14	<u>Great Atlantic & Pacific Tea Company</u>	<u>Nassawadox</u>	<u>Nassawadox</u>	<u>.001</u>	<u>140/1.2</u>		<u>150/1.3</u>		<u>6.5</u>	<u>Sec., Extended Aeration CL₂</u>
15	<u>Norstrom Coin Laundry</u>	<u>Nassawadox</u>	<u>Trib. To Nassawadox</u>	<u>.008</u>						<u>Sec., Extended Aeration, permit in process</u>
17	<u>N.H.-Acc. Memorial Hospital</u>	<u>Nassawadox</u>	<u>Warehouse Creek</u>	<u>.03</u>	<u>25/1.6</u>		<u>35/2.2</u>	<u>6.5</u>	<u>750</u>	<u>Secondary Aerated Lagoon, CL₂ Holding pond Stab-Lagoon</u>
18	<u>Machipongo E.S. & N.H. Jr. High School</u>	<u>Hungars Creek</u>	<u>Trib. To Oresbus</u>	<u>.03⁽¹⁾</u>	<u>30/5.2⁽²⁾</u>		<u>30/5.2⁽²⁾</u>			<u>Sec., Stab-Lagoon, Holding Pond no discharge in 4 yrs.</u>

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<u>19</u>	<u>B & B Laundromat</u>	<u>Cherry Stone Inlet</u>	<u>Old Castle Creek</u>							<u>Prl. Septic Tank w/discharger</u>
<u>20</u>	<u>KMC Foods, Inc.</u>	<u>Cherry Stone Inlet</u>								<u>No-Discharge industry</u>
<u>21</u>	<u>Herbert West Laundromat</u>	<u>Cherry Stone Inlet</u>	<u>Kings Creek</u>							<u>Prl. Septic Tank w/Discharger</u>
<u>22</u>	<u>Town of Cape Charles</u>	<u>Cape Charles Harbor</u>	<u>Cape Charles Harbor</u>	<u>.165⁽²⁾</u>	<u>290/400⁽³⁾</u>		<u>139/192⁽³⁾</u>			<u>Raw Sewage, Sewage Treatment to be completed by 1982</u>
<u>23</u>	<u>American House Inn</u>	<u>Chesapeake Bay</u>	<u>Chesapeake Bay</u>		<u>30/5⁽²⁾</u>		<u>30/5⁽²⁾</u>			
<u>24</u>	<u>U.S. Coast Guard</u>	<u>Chesapeake Bay</u>	<u>Chesapeake Bay</u>	<u>.001⁽²⁾</u>	<u>30/</u>			<u>5.0⁽²⁾</u>	<u>200⁽²⁾</u>	<u>Bilgewater</u>
<u>25</u>	<u>U.S. Gov't Cape Charles AFS</u>	<u>Magothy</u>	<u>Magothy</u>	<u>.001⁽²⁾</u>				<u>5.0⁽³⁾</u>		<u>Sec., CL₂ Aerated Lagoon, currently no-discharge</u>
<u>27</u>	<u>Exmore Frozen Foods</u>	<u>Machipongo</u>	<u>Trib. To Parting Cr.</u>	<u>.56</u>	<u>29/135</u>		<u>18/84</u>	<u>6.5</u>		<u>Grass Bays, Screening</u>
<u>28</u>	<u>Exmore Foods (Domestic)</u>	<u>Machipongo</u>	<u>Trib. To Parting Cr.</u>	<u>.02</u>	<u>5/0.8</u>		<u>9/1.5</u>			<u>Septic Tank, Sand Filter</u>
<u>30</u>	<u>Perdue Foods</u>	<u>Metomkin Bay</u>	<u>Parker Creek</u>	<u>1.7</u>	<u>11/156</u>		<u>15/213</u>	<u>6.5</u>	<u>150</u>	<u>Sec., Aerated Lagoon, Holding Pond, CL₂</u>
<u>31</u>	<u>Perdue Foods</u>	<u>Metomkin Bay</u>	<u>Parker Cr.</u>	<u>.01⁽⁴⁾</u>			<u>15/1.3</u>			

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<u>32</u>	<u>Accomack</u> <u>Co. Nursing</u> <u>Home</u>	<u>Metomkin Bay</u>	<u>Parker Cr.</u> <u>North Fork</u>	<u>.011</u>	<u>20/1.8</u>		<u>28/2.6</u>	<u>6.5</u>	<u>100</u>	<u>Sec., Extended</u> <u>Aeration, Holding</u> <u>Pond, CL₂</u>
<u>33</u>	<u>U.S. Gov't</u> <u>NASA</u> <u>(Wallops</u> <u>Island)</u>	<u>Hog Creek</u>	<u>Cat Creek</u>	<u>.005</u>	<u>30/</u>		<u>30/</u>			<u>Sec., Stab., Pond,</u> <u>Holding Pond,</u> <u>CL₂</u>
<u>34</u>	<u>Robo</u> <u>Automatic</u> <u>Car</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Little</u> <u>Simoneaton</u>							
<u>35</u>	<u>U.S. Gov't</u> <u>NASA</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Mosquito</u> <u>Creek</u>	<u>.105</u>	<u>10.6/9.3₍₃₎</u>	<u>112/28</u>	<u>2.0/1.8</u>			<u>Sec., Trickling</u> <u>Filter</u>
<u>36</u>	<u>Trail's End</u> <u>Rec. Vehicle</u> <u>Dev.</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Trib to</u> <u>Mosquito Cr.</u>							<u>Septic Tank and</u> <u>Drainfield</u>
<u>37</u>	<u>Coin-Op</u> <u>Laundromat</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Chincoteague</u> <u>Channel</u>							<u>No discharge</u>
<u>38</u>	<u>F & G</u> <u>Laundromat</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Chincoteague</u> <u>Channel</u>	<u>.005</u>						
<u>39</u>	<u>U.S. Coast</u> <u>Guard</u>	<u>Chincoteague</u> <u>Channel</u>	<u>Chincoteague</u> <u>Channel</u>	<u>.001⁽²⁾</u>			<u>30/0.2⁽²⁾</u>		<u>200⁽²⁾</u>	<u>Discharge-</u> <u>Billgewater</u>
<u>40</u>	<u>Phillip Custis</u>	<u>Ramshorn</u> <u>Bay</u>								<u>Spray Irrigation,</u> <u>no Discharge</u>
<u>43</u>	<u>Boggs</u> <u>(Melfa)</u>	<u>Nickowampus</u> <u>Creek</u>								<u>Septic tank waste</u> <u>lagoons, no</u> <u>discharge</u>
<u>44</u>	<u>Blake</u> <u>(Greenbush)</u>	<u>Deep Creek</u>								<u>Septic tank waste</u> <u>lagoon, no</u> <u>discharge</u>

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45	<u>Cherrystone Campground</u>	<u>Kings Creek or Cherrystone Inlet</u>							<u>Stab-Lagoon, Holding pond, no discharge</u>
46	<u>Wallops Sanitary Landfill</u>								<u>Solid waste disposal site, no discharge</u>
47	<u>Chincoteague Dumpsite</u>								<u>Solid waste disposal site, no discharge</u>
48	<u>Bob Town Sanitary Landfill</u>								<u>Solid waste disposal site, no discharge</u>
49	<u>Northampton Sanitary Landfill</u>								<u>Solid waste site, no discharge</u>
52	<u>Dorsey's Seafood Market</u>	<u>Chincoteague</u>							<u>Oysters⁽⁵⁾</u>
54	<u>Va-Carolina Seafood Company, Inc.</u>	<u>Hog-Boque</u>					<u>1152⁽²⁾ Clams 68⁽²⁾ Oysters 7.0⁽²⁾ Scallops</u>		<u>Surf Clams, Oysters, Scallops</u>
55	<u>Chincoteague Island Oyster Farm</u>	<u>Chincoteague</u>							<u>(Oyster-Boat Operation (grows oysters & clams from larvae)⁽⁶⁾</u>

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	<u>Reginald Stubbs Seafood Company</u>	<u>Assateague Channel</u>		<u>.002⁽⁴⁾</u>	<u>4.2</u>		<u>2.8</u>		<u>Oyster</u>
<u>58</u>	<u>Shreaves Bros.</u>	<u>Chincoteague</u>		<u>.002⁽⁴⁾</u>	<u>2.07</u>		<u>8.0</u>		<u>Oyster</u>
<u>60</u>	<u>Chincoteague Seafood Co.</u>	<u>Chincoteague</u>		<u>.063⁽⁴⁾</u>	<u>972</u>		<u>79.9</u>		<u>Surf-Clam</u>
<u>61</u>	<u>Ralph E. Watson Oyster Co.</u>	<u>Chincoteague</u>		<u>.003⁽⁴⁾</u>	<u>57</u>		<u>53</u>		<u>Oyster</u>
<u>62</u>	<u>McCready Bros. Inc.</u>	<u>Chincoteague</u>							<u>Oyster, no discharge</u>
<u>63</u>	<u>Wm. C. Bunting</u>	<u>Chincoteague</u>		<u>.001⁽⁴⁾</u>	<u>12</u>		<u>4.8</u>		<u>Oyster</u>
<u>64</u>	<u>Carpenters Seafood</u>	<u>Chincoteague</u>		<u>.001⁽⁴⁾</u>	<u>4.1</u>		<u>2.1</u>		<u>Oyster</u>
<u>64a</u>	<u>Burtons Seafood, Inc.</u>	<u>Chincoteague</u>		<u>.006⁽⁴⁾</u>	<u>10.3</u>		<u>.35</u>		<u>Oyster shell stock deal no discharge</u>
<u>69</u>	<u>Jones Bros. Seafood</u>	<u>Chincoteague</u>	<u>Sheepshead Cr.</u>						<u>Oyster & Clams</u>
<u>70</u>	<u>W.E. Jones Seafood</u>	<u>Chincoteague</u>	<u>Sheepshead Creek</u>				<u>46.4⁽²⁾</u>		<u>Oyster & Clams</u>
<u>71</u>	<u>Conner & McGee Seafood</u>	<u>Chincoteague</u>	<u>Sheepshead Creek</u>						<u>Oyster & Clams</u> <u>(6) 1</u>
<u>72</u>	<u>Hills Oyster Farm</u>	<u>Chincoteague</u>							<u>Oyster & Clams</u> ⁽⁵⁾

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73	<u>Thomas E. Reed Seafood</u>	<u>Chincoteague</u>	<u>Deep Hole Creek</u>						<u>Oyster & Clams⁽⁶⁾</u>
74	<u>Mears & Powell</u>	<u>Metomkin</u>							<u>Oyster-Building, also used to clean fish⁽⁵⁾</u>
75	<u>Wachapreague Seafood Company</u>	<u>Metomkin</u>	<u>Finney Creek</u>	<u>.036⁽⁴⁾</u>			<u>144</u>		<u>Sea Clam</u>
76	<u>George D. Spence and Son</u>	<u>Machipongo</u>							<u>Crab Shedding⁽⁶⁾</u>
77	<u>George D. Spence and Son</u>	<u>Machipongo</u>							<u>Crab Picking, no discharge</u>
78	<u>George T. Bell</u>	<u>Machipongo</u>							<u>No Discharge. Oyster</u>
79	<u>George D. Spence and Son</u>	<u>Machipongo</u>	<u>Upshur Bay</u>						<u>Oyster⁽⁶⁾</u>
80	<u>Peters Seafood</u>	<u>Machipongo</u>							<u>Oyster⁽⁶⁾</u>
81	<u>J.E. Hamblin</u>	<u>Machipongo</u>							<u>Oyster, No discharge</u>
83	<u>Nathan Bell Seafood</u>	<u>Machipongo</u>							<u>Clams, Hard⁽⁵⁾</u>
84	<u>John L. Marshall Seafood</u>	<u>Machipongo</u>							<u>Clams⁽⁵⁾</u>

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<u>85</u>	<u>American Original Foods, Inc.</u>	<u>Machipongo</u>	<u>Parting Creek</u>	<u>.151⁽⁴⁾</u>	<u>2632</u>		<u>1337</u>			
<u>86</u>	<u>Harvey & Robert Bowen</u>	<u>Machipongo</u>	<u>Parting Creek</u>	<u>.0006⁽⁴⁾</u>	<u>6.2</u>		<u>1.7</u>			<u>Oyster</u>
<u>87</u>	<u>H.M. Terry</u>	<u>Machipongo</u>	<u>Parting Creek</u>	<u>.0004⁽⁴⁾</u>	<u>3.3</u>		<u>.62</u>			<u>Oyster</u>
<u>89</u>	<u>Webb's Island Seafood</u>	<u>South Ocean Area</u>								<u>Clams⁽⁶⁾</u>
<u>90</u>	<u>Cliff's Seafood</u>	<u>South Ocean Area</u>	<u>Mockhorn Bay</u>							<u>Oyster & Clam ⁽⁶⁾</u>
<u>92</u>	<u>H. Allen Smith</u>	<u>South Ocean Area</u>		<u>.037⁽⁴⁾</u>	<u>213</u>		<u>522</u>			<u>Sea Clam</u>
<u>94</u>	<u>C & D Seafood, Inc.</u>	<u>South Ocean Area</u>	<u>Oyster Harbor</u>	<u>.04⁽⁴⁾</u>	<u>427</u>		<u>204 sea clam 34⁽²⁾ oyster</u>			<u>Sea Clam, Oyster</u>
<u>95</u>	<u>B.L. Bell & Sons</u>	<u>South Ocean Area</u>	<u>Oyster Harbor</u>	<u>.001⁽⁴⁾</u>	<u>12</u>		<u>.9</u>			<u>Oyster</u>
<u>98</u>	<u>Lance Fisher Seafood Co.</u>	<u>Pocomoke</u>		<u>.02⁽⁴⁾</u>	<u>38</u>		<u>12.8</u>			<u>Oyster and Clam</u>
<u>99</u>	<u>Fisher & Williams/Lest er Fisher</u>	<u>Messongo</u>								<u>Building used to shed soft crabs⁽⁵⁾</u>
<u>100</u>	<u>Grady Rhodes Seafood</u>	<u>Messongo</u>								<u>Sold business. Building used to shed soft crabs⁽⁵⁾</u>
<u>101</u>	<u>Bonowell Bros.</u>	<u>Messongo</u>	<u>Pocomoke Sound</u>	<u>.001⁽⁴⁾</u>	<u>12</u>		<u>2.5</u>			<u>Oyster</u>

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<u>102</u>	<u>John H. Lewis & Co.</u>	<u>Messongo</u>	<u>Starling Creek</u>						<u>Oyster SS only, no discharge</u>
<u>103</u>	<u>Eastern Shore Seafood</u>	<u>Beasley</u>							<u>Crab, no discharge</u>
<u>106</u>	<u>Ashton's Seafood, Inc.</u>	<u>Pungoteague</u>							<u>Shell stock dealer-no discharge</u>
<u>107</u>	<u>Nandua Seafood Co.</u>	<u>Nandua</u>		<u>.0001⁽⁴⁾</u>	<u>.2</u>		<u>.9</u>		<u>Crab</u>
<u>108</u>	<u>A.M. Acuff</u>	<u>Cherrystone</u>							<u>Building used for storage, no discharge</u>
<u>110</u>	<u>D.L. Edgerton Co.</u>	<u>Cherrystone</u>	<u>Mud Creek</u>						<u>Conch. In operation. Retort drains overboard & fish wash-down⁽⁶⁾</u>
<u>111 & 112</u>	<u>Tangier Island Seafood, Inc.</u>	<u>Tangier</u>							<u>Crab⁽⁵⁾</u>
<u>113</u>	<u>Tangier</u>	<u>Chesapeake Bay</u>							<u>1000 KW Power Station</u>
<u>114</u>	<u>Chincoteague</u>	<u>Chincoteague Channel</u>							<u>2100 KW Power Station</u>
<u>115</u>	<u>Parksley</u>								<u>2400 KW Power Station</u>
<u>116</u>	<u>Tasley</u>								<u>1400 KW Power Station</u>

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<u>117</u>	<u>Bayview</u>								<u>10,000 KW Power Station</u>
<u>118</u>	<u>Cape Charles</u>	<u>Cape Charles Harbor</u>							<u>1200 KW Power Station</u>
<u>119</u>	<u>Burdick Well & Pump Company</u>								<u>Holding Pond, no discharge</u>
<u>120</u>	<u>Marshall & Son Crab Company</u>	<u>Messongo Cr.</u>							<u>Crab Shedding⁽⁶⁾</u>
<u>121</u>	<u>Linton & Lewis Crab Co.</u>	<u>Pocomoke Sound</u>							<u>Crab Shedding⁽⁶⁾</u>
<u>122</u>	<u>D.L. Edgerton</u>	<u>Chincoteague</u>							<u>Fish Washdown⁽⁶⁾</u>
<u>123</u>	<u>Evans Bros. Seafood Co.</u>	<u>Pocomoke Sound</u>							<u>Crab Shedding⁽⁶⁾</u>
<u>124</u>	<u>Stanley F. Linton</u>	<u>Messongo</u>	<u>Starling Cr.</u>						<u>Crab Shedding⁽⁶⁾</u>
<u>125</u>	<u>H.V. Drewer & Son</u>	<u>Messongo</u>	<u>Starling Cr.</u>	<u>.035⁽⁴⁾</u> <u>.018⁽⁴⁾</u>	<u>349</u> <u>180</u>		<u>736-clam</u> <u>198-oyster</u>		<u>Oyster & Clam</u>
<u>126</u>	<u>Chincoteague Fish Co., Inc.</u>	<u>Chincoteague Channel</u>							<u>Fish Washdown⁽⁶⁾</u>
<u>127</u>	<u>Chincoteague Crab Company</u>	<u>Assateague Channel</u>			<u>.18⁽²⁾</u>		<u>.54⁽²⁾</u>		<u>Crab & Crab Shedding</u>
<u>128</u>	<u>Aldon Miles & Sons</u>	<u>Pocomoke Sound</u>							<u>Crab Shedding⁽⁶⁾</u>
<u>129</u>	<u>Saxis Crab Co.</u>	<u>Messongo</u>	<u>Starling Cr.</u>						<u>Crab Shedding⁽⁶⁾</u>

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	<u>Paul Watkinson SFD</u>	<u>Pocomoke Sound</u>							<u>Crab Shedding⁽⁶⁾</u>
<u>131</u>	<u>Russell Fish Co., Inc</u>	<u>Chincoteague Channel</u>							<u>Fish⁽⁶⁾</u>
<u>132</u>	<u>Mason Seafood Co.</u>	<u>Chincoteague Channel</u>		<u>.002⁽⁴⁾</u>	<u>7.7</u>		<u>13.7</u>		<u>Oysters</u>

NOTE: ⁽¹⁾ Water quality data taken from Discharge Monitoring Reports or special studies unless indicated.

⁽²⁾ NPDES Permit limits given since the permit is new and discharge monitoring reports not yet available.

⁽³⁾ Data from Accomack-Northampton Co. Water Quality Management Plan.

⁽⁴⁾ Estimated.

⁽⁵⁾ May need a permit--either company has not responded to SWCB letter or operation has just started up.

⁽⁶⁾ No limits -- has an NPDES permit, but is not required to monitor.

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A. Total Maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1 - RECOMMENDED STREAM SEGMENTS IN THE YORK RIVER BASIN

<u>Segment Number</u>	<u>Classification</u>	<u>Name of River (Description)*</u>
<u>8-1</u>	<u>EL</u>	<u>North Anna River (main and tributaries except Goldmine Creek and Contrary Creek) R.M. 68.4-0.0</u>
<u>8-2</u>	<u>EL</u>	<u>Goldmine Creek</u>
<u>8-3</u>	<u>WQ</u>	<u>Contrary Creek (main only) R.M. 9.5-0.0</u>
<u>8-4</u>	<u>EL</u>	<u>South Anna River (main and tributaries) R.M. 101.2-97.1</u>
<u>8-5</u>	<u>EL</u>	<u>South Anna River (main only) R.M. 97.1-77.4</u>

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<u>8-6</u>	<u>EL</u>	<u>South Anna River (main and tributaries) R.M.77.4-0.0</u>
<u>8-7</u>	<u>EL</u>	<u>Pamunkey River (main and tributaries) R.M. 90.7-12.2</u>
<u>8-8</u>	<u>WQ</u>	<u>Pamunkey River (main only) R.M. 12.2-0.0</u>
<u>8-9</u>	<u>EL</u>	<u>Mattaponi River (main and tributaries) R.M.102.2-10.2</u>
<u>8-10</u>	<u>EL</u>	<u>Mattaponi River (main only) R.M.10.2-0.0</u>
<u>8-11</u>	<u>WQ</u>	<u>York River (main only) R.M. 30.4-22.4</u>
<u>8-12</u>	<u>EL</u>	<u>York River (main and tributaries except King Creek and Carter Creek) –R.M. 22.4-0.0</u>
<u>8-13</u>	<u>EL</u>	<u>Carter Creek (main and tributaries) R.M. 5.4-2.0</u>
<u>8-14</u>	<u>EL</u>	<u>Carter Creek (main only) R.M. 2.0-0.0</u>
<u>8-15</u>	<u>EL</u>	<u>King Creek (main only) R.M.5.6-0.0</u>
<u>8-16</u>	<u>WQ</u>	<u>Condemned shellfish areas- Timberneck, Queens, and Sarah Creeks and portions of the main stream of the York River.</u>

*R.M.= River Mile, measured from the river mouth

Source: Roy F. Western

TABLE B2 - WASTE LOAD ALLOCATIONS (IN LBS PER DAY)

<u>POINT SOURCE</u>	<u>1977 WASTE LOAD²</u>		<u>MAXIMUM⁷ DAILY LOAD</u>		<u>RECOMMENDED ALLOCATION</u>			<u>RAW WASTE LOAD AT 1995</u>		<u>REQUIRED & REMOVAL EFFICIENCY 1995</u>	
	<u>CBOD₅</u>	<u>UBOD¹</u>	<u>CBOD₅</u>	<u>UBOD</u>	<u>CBOD₅</u>	<u>UBOD</u>	<u>PERCENT RESERVE</u>	<u>CBOD₅</u>	<u>UBOD</u>	<u>CBOD₅</u>	<u>UBOD</u>
<u>Gordonsville</u>	<u>145</u>	<u>398</u>	<u>150</u>	<u>412</u>	<u>150</u>	<u>412</u>	<u>0</u>	<u>1950</u>	<u>2730</u>	<u>92</u>	<u>85</u>
<u>Louisa-Mineral</u>	<u>50</u>	<u>108</u>	<u>55</u>	<u>118</u>	<u>55</u>	<u>118</u>	<u>0</u>	<u>850</u>	<u>1150</u>	<u>93</u>	<u>90</u>
<u>Doswell</u>	<u>52</u>	<u>110</u>	<u>862⁸</u>	<u>1407⁸</u>	<u>690⁸</u>	<u>1125⁸</u>	<u>20</u>	<u>1080</u>	<u>1444</u>	<u>85(4)</u>	<u>71</u>
<u>Thornburg</u>	<u>63</u>	<u>150</u>	<u>68</u>	<u>162</u>	<u>68</u>	<u>162</u>	<u>0</u>	<u>1240</u>	<u>1690</u>	<u>94</u>	<u>90</u>

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<u>Bowling Green</u>	<u>27</u>	<u>64</u>	<u>29</u>	<u>68</u>	<u>29</u>	<u>68</u>	<u>0</u>	<u>680</u>	<u>926</u>	<u>96</u>	<u>93</u>
<u>Ashland</u>	<u>160</u>	<u>303</u>	<u>235</u>	<u>559</u>	<u>188</u>	<u>447</u>	<u>20</u>	<u>2250</u>	<u>3825</u>	<u>92</u>	<u>88</u>
<u>Hanover</u> <u>(Regional STP)</u>	<u>170</u>	<u>437</u>	<u>280</u>	<u>820</u>	<u>280</u>	<u>820</u>	<u>0</u>	<u>5730</u>	<u>7930</u>	<u>96</u>	<u>90</u>
<u>Chesapeake</u> <u>Corp.</u>	<u>6400</u>	<u>8000</u>	<u>10445⁵</u>	<u>15000⁵</u>	<u>10445⁵</u>	<u>15000⁵</u>	<u>N/A</u>	<u>51700</u>	<u>64630</u>	<u>90</u>	<u>90</u>
<u>West Point</u>	<u>105</u>	<u>380</u>	<u>281³</u>	<u>1020</u>	<u>225</u>	<u>814</u>	<u>20</u>	<u>1000</u>	<u>1600</u>	<u>85⁴</u>	<u>66</u>

¹BOD is Ultimate Biochemical Oxygen Demand. Its concentration is derived by the following: $BOD_5/0.80 + 4.5(TKN) = (UBOD)$. NOTE: The amount of TKN utilized depends on the location in the basin.

²Projected for 1977 based on population projections.

³Recommended allocation based on BPCTCA effluent guidelines applied to raw waste loads at 2020.

⁴Minimum removal efficiency.

⁵Allocation based on BPCTCA effluent guidelines; amended by Minute 25, June 3-5, 1979 board meeting.

⁶Based on assumed influent characteristics.

⁷Assimilative capacity.

⁸Amended by Minute 1, August 17, 1978, board meeting.

Source: Roy F. Weston, Inc.

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A. Total maximum Daily Load (TMDLs).

B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.

TABLE B1- SEWERAGE SERVICE AREAS

<u>Map¹</u> <u>No.</u>	<u>Locality</u>	<u>Receiving²</u> <u>Stream</u> <u>Classification</u>	<u>NPDES Limits³</u>			<u>Status of Applicable⁴ Section 201</u> <u>Programs (January 1980)</u>
			<u>Flow</u> <u>(mgd)</u>	<u>BOD₅</u> <u>(kg/day)</u>	<u>SS</u> <u>(kg/day)</u>	
	<u>Abbs Valley</u>	<u>WQ</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>

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	<u>Austinville</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
	<u>Bastian</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use septic tanks for present</u>
<u>1</u>	<u>Blacksburg</u>	<u>EL</u>	<u>6.0</u>	<u>544.8</u>	<u>544.8</u>	<u>Completed</u>
	<u>Bland</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list</u>
<u>29</u>	<u>Bluefield</u>	<u>WQ</u>	<u>3.5</u>	<u>106</u>	<u>106</u>	<u>Near Completion</u>
	<u>Boissevain</u>	<u>WQ</u>	<u>Effluent treated at Pocahontas</u>			<u>Redesign to treat at Pocahontas underway</u>
<u>2</u>	<u>Christiansburg</u>	<u>WQ</u>	<u>2.0</u>	<u>113.5</u>	<u>113.5</u>	<u>Completed</u>
<u>3</u>	<u>Dublin</u>	<u>EL</u>	<u>.22</u>	<u>29.9/49.9</u>	<u>29.9/49.9</u>	<u>To be connected to Pepper's Ferry STP (Radford Cluster) in FY-80</u>
	<u>Elk Creek</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use septic tanks</u>
<u>4</u>	<u>Fairlawn</u>	<u>EL</u>	<u>.26</u>	<u>47</u>	<u>47</u>	<u>To be connected to Pepper's Ferry STP (Radford Cluster)</u>
	<u>Falls Mills</u>	<u>WQ</u>	<u>.144</u>	<u>5.5</u>	<u>5.5</u>	<u>Step I approved; limits for new plant</u>
	<u>Flat Ridge</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
<u>*5</u>	<u>Floyd</u>	<u>EL</u>	<u>.1</u>	<u>59.0</u>	<u>45.4</u>	<u>Small community; Step IV</u>
<u>13</u>	<u>Fries</u>	<u>EL</u>	<u>.02</u>	<u>11.8</u>	<u>9.1</u>	<u>Step I approved</u>
<u>14</u>			<u>.16</u>	<u>94.5</u>	<u>72.7</u>	
<u>17</u>	<u>Galax</u>	<u>EL</u>	<u>1.5</u>	<u>170</u>	<u>170</u>	<u>Not on priority list</u>
	<u>Glen Lyn</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
<u>15</u>	<u>Hillsville</u>	<u>EL</u>	<u>.2</u>	<u>23</u>	<u>23</u>	<u>Step I to be approved soon</u>
<u>16</u>			<u>.15</u>	<u>17</u>	<u>17</u>	

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<u>*18</u>	<u>Independence</u>	<u>EL</u>	<u>.2</u>	<u>22.7</u>	<u>22.7</u>	<u>Step I approved; selected alternative was for one plant</u>
<u>19</u>			<u>.1</u>	<u>11.4</u>	<u>11.4</u>	
	<u>Ivanhoe</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use septic tanks</u>
	<u>Max Meadows</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list</u>
	<u>Mechanicsburg</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
<u>6</u>	<u>Narrows</u>	<u>EL</u>	<u>0.60</u>	<u>354.0</u>	<u>272.0</u>	<u>Step I at EPA; Step II - FY-80</u>
	<u>Newport</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
<u>7</u>	<u>Pearisburg</u>	<u>EL</u>	<u>0.30</u>	<u>177.0</u>	<u>136.0</u>	<u>Step I at EPA; Step II - FY-80; Step III - FY-84</u>
	<u>Pembroke</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Not on priority list</u>
<u>*30</u>	<u>Pocahontas</u>	<u>WQ</u>	<u>.15</u>	<u>17</u>	<u>17</u>	<u>Step I grant approved to correct I/I problems</u>
<u>8</u>	<u>Pulaski</u>	<u>EL</u>	<u>2.0</u>	<u>234/303</u>	<u>234</u>	<u>To be connected to Pepper's Ferry STP (Radford Cluster) in FY-80 (Step II)</u>
<u>9</u>	<u>Radford STP</u>	<u>EL</u>	<u>2.5</u>	<u>1475</u>	<u>925</u>	<u>Step II - FY-80</u>
<u>*10</u>	<u>Rich Creek</u>	<u>EL</u>	<u>.12</u>	<u>71</u>	<u>54</u>	<u>Step I at EPA, Step IV - FY-83</u>
<u>31</u>	<u>Riner</u>	<u>EL</u>	<u>.035</u>	<u>4.0</u>	<u>4.0</u>	<u>Completed</u>
	<u>Rocky Gap</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use septic tanks for present</u>
<u>12</u>	<u>Rural Retreat</u>	<u>EL</u>	<u>0.15</u>	<u>37.5</u>	<u>37.5</u>	<u>Step I to be completed in FY-80</u>
	<u>Speedwell</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use individual septic tanks for present</u>
	<u>Troutdale</u>	<u>EL</u>	<u>Permit not needed at present</u>			<u>Continue to use individual septic tanks for present</u>

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	<u>Woodlawn</u>	<u>EL</u>	<u>Permit to be issued in future</u>			<u>Not on priority list</u>
<u>11</u>	<u>Wytheville</u>	<u>EL</u>	<u>20</u>	<u>400</u>	<u>200</u>	<u>Sewage treatment plant completed</u>

¹Discharges are shown on Plate 3.

²Effluent Limiting (E.L.) or Water Quality Limiting (WQ).

³For existing sewage treatment facility.

⁴For new sewage treatment facility.

*Small communities with combined Step II and III Grants.

TABLE B2- EFFLUENT LIMITS^{(1) (4)} NEW RIVER BASIN

<u>Discharge</u>	<u>Receiving Stream</u>	<u>Maximum BOD₅</u> <u>Loading Limits (kg/day)</u>
<u>Troutdale</u>	<u>Fox Creek</u>	<u>6.1</u>
<u>Independence</u>	<u>Peachbottom Creek</u>	<u>13.5</u>
<u>Fries</u>	<u>New River</u>	<u>50.5</u>
<u>Galax</u>	<u>Chestnut Creek</u>	<u>240.3</u>
<u>Hillsville</u>	<u>Little Reed Island Creek</u>	<u>99.6</u>
<u>Woodlawn</u>	<u>Crooked Creek</u>	<u>69.5</u>
<u>Speedwell</u>	<u>Cripple Creek</u>	<u>17.4</u>
<u>Austinville</u>	<u>New River</u>	<u>19.5</u>
<u>Rural Retreat</u>	<u>South Fork</u>	<u>50.5</u>
<u>Wytheville</u>	<u>Reed Creek</u>	<u>298.3</u>
<u>Max Meadows</u>	<u>Reed Creek</u>	<u>82.4</u>
<u>Pulaski</u>	<u>Peak Creek</u>	<u>316.8</u>
<u>Floyd</u>	<u>Dodd Creek</u>	<u>24.1</u>

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<u>Riner</u>	<u>Mill Creek</u>	<u>9.8</u>
<u>Blacksburg</u>	<u>New River</u>	<u>583.4</u>
<u>Christiansburg</u>	<u>Crab Creek</u>	<u>359.4</u>
<u>Dublin- New River- Fairlawn- Radford- Plum Creek</u>	<u>New River</u>	<u>772.7</u>
<u>Newport</u>	<u>Sinking Creek</u>	<u>2.9</u>
<u>Pembroke</u>	<u>New River</u>	<u>28.4</u>
<u>Bland</u>	<u>Walker Creek</u>	<u>10.3</u>
<u>Mechanicsburg</u>	<u>Walker Creek</u>	<u>3.1</u>
<u>Narrows-Pearisburg</u>	<u>New River</u>	<u>110.8</u>
<u>Bastian</u>	<u>Wolf Creek</u>	<u>10.4</u>
<u>Rocky Gap</u>	<u>Wolf Creek</u>	<u>9.0</u>
<u>Rich Creek</u>	<u>Rich Creek</u>	<u>19.9</u>
<u>Glen Lyn</u>	<u>New River</u>	<u>5.7</u>
<u>Bluefield</u>	<u>Bluestone River</u>	<u>136.4</u>
⁽²⁾ <u>Abbs Valley</u>	<u>Laurel Fork</u>	<u>11.4</u>
⁽²⁾ <u>Pocahontas</u>	<u>Laurel Fork</u>	<u>5.5</u>
⁽²⁾ <u>Boissevain</u>	<u>Laurel Fork</u>	<u>5.9</u>

⁽¹⁾ Other effluent limitations will be determined by Water Quality Standards and/or Best Available Technology requirements.

⁽²⁾ Secondary treatment will be required until a further verification of the model is made to document the need for treatment beyond secondary.

⁽³⁾ To join Radford Cluster.

⁽⁴⁾ This table supersedes Table 152, page 199, Thompson & Litton, Inc., New River Basin Comprehensive Water Resources Plan, Volume V-A.

9 VAC 25-720TABLE B3- NEW RIVER BASIN INDUSTRIAL EFFLUENT LIMITATIONS**Parameters in Average kg/day or (Concentration) as mg/l*FACILITY NUMBER

<u>MAP NUMBER</u>	<u>BOD₅</u>	<u>SS</u>	<u>OIL & GREASE</u>	<u>IRON</u>	<u>COPPER</u>	
<u>20 APCO</u>						
<u>004</u>		<u>382</u>	<u>192</u>			
<u>401</u>	<u>1.14</u>			<u>(1.0) MAX</u>	<u>(1.0) MAX</u>	
<u>501</u>		<u>1.14</u>				
<u>006</u>		<u>318</u>	<u>159</u>			
<u>21 Burlington Industries</u>	<u>BOD₅</u>	<u>SS</u>	<u>PHENOLS</u>	<u>SULFIDE</u>	<u>ALUMINUM</u>	
<u>001</u>	<u>346</u>	<u>354</u>	<u>1.7</u>	<u>0.9</u>	<u>1.0</u>	
<u>22 Celanese Fibers Co.</u>	<u>FLOW (MGD)</u>	<u>BOD₅</u>	<u>SS</u>	<u>COD</u>		
<u>002</u>	<u>2.8</u>	<u>(30)</u>				
<u>003</u>	<u>3.5</u>	<u>2,999</u>	<u>2,023</u>	<u>27,694</u>		
<u>23 Hercules, Inc.</u>	<u>SS</u>					
<u>001</u>	<u>34</u>					
<u>24 Lynchburg Foundry</u>	<u>SS</u>	<u>OIL & GREASE</u>	<u>PHENOLS</u>			
<u>001</u>	<u>143</u>	<u>53.1</u>	<u>1.04</u>			
<u>25 RAAP Combined Ind.</u>	<u>FLOW (MGD)</u>	<u>BOD₅</u>	<u>SS</u>	<u>COD</u>	<u>OXIDIZED NITROGEN</u>	<u>SULFATE</u>
<u>026</u>	<u>1.0</u>	<u>114</u>	<u>6,714</u>	<u>237</u>	<u>18,697</u>	<u>565</u>
			<u>114</u>			<u>67</u>

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<u>26. New Jersey Zinc</u>	<u>BOD5</u>	<u>SS</u>	<u>TOTAL CYANIDE</u>	<u>DISSOLVED LEAD</u>	<u>DISSOLVED ZINC</u>	<u>DISSOLVED IRON</u>
<u>001</u>		<u>(38)</u>		<u>(0.25)</u>	<u>(1.0)</u>	<u>(0.3)</u>
<u>002</u>		<u>(.30)</u>		<u>(0.25)</u>	<u>(1.0)</u>	<u>(0.25)</u>
<u>003</u>		<u>(20)</u>	<u>(0.02)</u>	<u>(0.35)</u>	<u>(1.0)</u>	<u>(0.25)</u>
<u>004</u>		<u>(30)</u>	<u>(0.02)</u>	<u>(1.0)</u>	<u>(0.25)</u>	_____
<u>005</u>		<u>(30)</u>	<u>(0.25)</u>	<u>(0.25)</u>	<u>(1.0)</u>	<u>(0.25)</u>
<u>006</u>	<u>2.3</u>	<u>2.3</u>		-----	-----	-----
<u>27. Elk Creek Raycarl Products</u>	<u>SS</u>	<u>OIL & GREASE</u>	<u>IRON</u>	<u>PHOSPHATE</u>	<u>ZINC</u>	
	<u>(5)</u>	<u>(10)</u>	<u>(1)</u>	<u>(2)</u>	<u>(0.5)</u>	
<u>28. Fields Mfg</u>	<u>BOD5</u>	<u>SS</u>	<u>OIL & GREASE</u>	<u>TEMP.</u>		
	<u>3.6</u>	<u>4.1</u>	<u>0.8</u>	<u>75°F</u>		

9 VAC 25-720-140. Delegation section.

The director or his designee may perform any action contained in this regulation except those prohibited by § 62.1-44.14 of the State Water Control Law.

Certified True and Accurate: _____

_____ Robert G. Burnley, Director, DEQ

Date: _____