



COMMONWEALTH OF VIRGINIA
Department of Mines, Minerals and Energy
Division of Mined Land Reclamation

Knox Creek TDS Wasteload Report 2025-Q1

04-01-2024 to 03-31-2025

Watershed Information

Stressor:	TDS	Watershed Acres:	48,069
Wasteload Allocation:	1,110,000	Watershed Permits:	12
EPA TMDL Approval Date:	03/27/07	Watershed Outfalls:	166

Watershed Wasteload and Reduction Summary¹

	Pre-TMDL Wasteloads ²	Post-TMDL Wasteloads ³	Total
Wasteload Allocation Available ⁴	1,110,000	0	1,110,000
Wasteload ⁵	2,638,005	1,309,762	3,947,767
Wasteload Balance	-1,528,005	-1,309,762	-2,837,767
Wasteload Reduction Required ⁶	1,528,005	1,309,762	2,837,767
Percent Reduction Required ⁷	57.9%	100.0%	71.9%

¹ Wasteload units are in kg/year unless otherwise noted.

² Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

³ Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

⁴ The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

⁵ Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

⁶ In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

⁷ The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

Permit Wasteload and Reduction Summary⁸

Permit Number	Pre-TMDL Wasteload ⁹	Pre-TMDL Reduction Required ¹⁰	Post-TMDL Wasteload ¹¹	Post-TMDL Reduction Required ¹²	Total Wasteload	Total Wasteload Reduction Required
1201630	1,324	767	0	0	1,324	767
1101823	8,430	4,883	0	0	8,430	4,883
1202083	11,099	6,429	0	0	11,099	6,429
1102345	0	0	444,794	444,794	444,794	444,794
1102353	45,443	26,322	0	0	45,443	26,322
1402355	0	0	0	0	0	0
1102359	1,448,538	839,033	346,485	346,485	1,795,023	1,185,518
1302361	117,544	68,085	5,328	5,328	122,872	73,413
1502371	1,005,629	582,488	0	0	1,005,629	582,488
1302378	0	0	0	0	0	0
1202379	0	0	328,349	328,349	328,349	328,349
1702380	0	0	184,806	184,806	184,806	184,806
Total	2,638,005	1,528,005	1,309,762	1,309,762	3,947,767	2,837,767

⁸ Wasteload units are in kg/year unless otherwise noted.

⁹ The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

¹⁰ Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

¹¹ The wasteload

¹² Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.