



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

Knox Creek TDS Wasteload Report 2025-Q4

01-01-2025 to 12-31-2025

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:	165

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	2,313,256	1,244,459	3,557,715
Wasteload Balance	-1,203,256	-1,244,459	-2,447,715
Wasteload Reduction Required ⁶	1,203,256	1,244,459	2,447,715
Percent Reduction Required ⁷	52.0%	100.0%	68.8%

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	766	399	0	0	766	399
1101823	17,495	9,100	0	0	17,495	9,100
1202083	7,789	4,051	0	0	7,789	4,051
1102345	0	0	465,419	465,419	465,419	465,419
1102353	35,098	18,256	0	0	35,098	18,256
1402355	0	0	0	0	0	0
1102359	1,164,004	605,465	290,659	290,659	1,454,664	896,124
1302361	134,975	70,208	5,328	5,328	140,303	75,537
1502371	953,128	495,776	0	0	953,128	495,776
1302378	0	0	0	0	0	0
1202379	0	0	290,824	290,824	290,824	290,824
1702380	0	0	192,229	192,229	192,229	192,229
Total	2,313,256	1,203,256	1,244,459	1,244,459	3,557,715	2,447,715

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.