

Key Watersheds implementing nutrient controls

Watershed	Impairment addressed	Nitrogen Requirement	Compliance Timeline	Regulatory Vehicle	Current Status
Long Island Sound	Chronic Low DO	58.5% reduction from 2001 Current water quality modeling may revise N loading goals	20 years	TMDL Nitrogen Consent Order NYCDEP bubble N permit	Targets met, WQ improvements observed but more to do On-going water quality modeling
Chesapeake Bay	Eutrophication	25% reduction from 2009 allocated across 7 states and various sectors	15 years (with 2-yr milestones) Through 2030, continue practices and controls to reduce N	TMDL	Final eval in 2025, some goals will be missed (but POTWs mostly on track) Dec 2030 revise targets
Tampa Bay	Habitat loss due to high chlorophyll	Subembayment-based load caps set to 1990s levels	5-year check-ins for adaptive management, with individual corrective action timelines	Reasonable Assurance Plan to implement TMDL	Goals attained, as measured by seagrass restoration, but recent seagrass reductions
Puget Sound	Low DO in embayments Natural Conditions DO Standard restrictions	Water Quality Modeling Seasonal TIN or TN 8 mg/L Cool (Jan, Feb, Mar, Nov, Dec) 5 mg/L Warm (Apr, May, Jun, Oct) 3 mg/L Hot (Jul, Aug, Sep)	25 years (2025 – 2050)	General Permit (now voluntary) Advance Restoration Plan (ARP) in lieu of TMDL	General Permit Invalidated Draft General Permit Draft ARP US District Court Motion for Summary Judgment for EPA's mandatory duty to establish a TMDL
Colorado	Low DO, HABs, Low Drinking water quality	TIN -Annual Median: 15 mg/L -95th percentile: 20 mg/L	14 years, and longer based on future performance	Statute, implemented in permits	Reg 31 In-stream Stds Effective 2027 Rulemaking for Reg 85 Effluent Standards informed by NWRI panel Policy 17 Early Nutrient Reduction
Clark Fork River, MT	Eutrophication (Recreation, Aquatic Life)	Site Specific Std TN = 300 µg/L Water Quality Modeling WQBELs TN 10 mg/L	MPDES Permit Renewal	Voluntary Nutrient Reduction Plan (VNRP)	MPDES Permit Limits Based on VNRP
Montana Nutrient Rulemaking	Eutrophication (Recreation, Aquatic Life)	Narrative Stds Replace Numeric Stds TN = 300 to 600 µg/ (Variance Effluent TN 10 mg/L for Numeric Stds)	Up to 20+ years via variance (Ninth Circuit Court Appeals)	Narrative Stds MPDES Permits	Rulemaking halted, so regulation reverts to original numeric standards HB664 repeals numeric standards Waterkeeper Notice of Intent to Sue EPA
Delaware River	Low DO	Delaware River Basin Commission WQ Modeling Ammonia-N and DO	Uncertain Integrated Planning potential	DO Std NPDES Permits	Delaware Riverkeeper lawsuit EPA DO Rulemaking EPA Draft DO Stds (Court Ordered Deadline Sept 2025)
SF Bay	Acute low DO following HAB bloom	40% Baywide TIN reduction (20.1 mg/L target)	10 years to compliance beginning 2024	NPDES Permit	Just getting started...