

The State of Pennsylvania's Nutrient Trading Program

Water Resources Advisory Committee May 16, 2024

Josh Shapiro, Governor

Jessica Shirley, Acting Secretary

History / Statutory Basis

- DEP's Nutrient Trading Program regulations
 - Final on October 9, 2010 (see <u>40 Pa.B. 5790</u>)
- 25 Pa. Code § 96.8, entitled "Use of offsets and tradable credits from pollution reduction activities in the Chesapeake Bay Watershed"
- Established a 3-Step Process
 - Certification
 - Verification
 - Registration



2023 Season At a Glance

СҮ23	Verified (Generated) Credits	Registered (Traded) Credits	Excess Credits (Nutrient Reductions to Chesapeake Bay)	
Nitrogen	513,757	223,646	290,111	
Phosphorus	52,680	47,910	4,770	

- 45 NPDES wastewater facilities generated credits (sellers)
- 63 NPDES wastewater facilities purchased credits to meet permit nutrient cap loads (buyers)

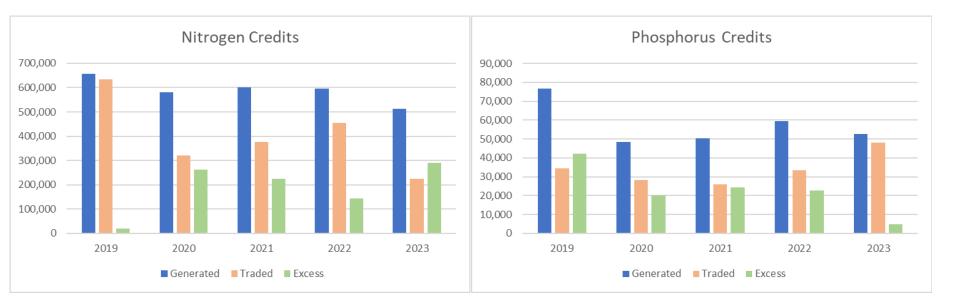


Previous 5 Seasons At a Glance

Year	Nutrient	Verified (Generated) Credits	Registered (Traded) Credits	Excess Credits (Nutrient Reductions to Chesapeake Bay)	Credits Generated by NPS Agriculture BMPs	Credits Generated by NPDES Facilities
2023	Nitrogen	513,757	223,646	290,111	0	513,757
	Phosphorus	52,680	47,910	4,770	0	52,680
2022	Nitrogen	597,012	454,635	142,377	0	597,012
	Phosphorus	59,296	33,528	22,768	0	59,296
2021	Nitrogen	601,166	376,104	225,062	27,133	574,033
	Phosphorus	50,242	25,789	24,453	0	50,242
2020	Nitrogen	581,709	319,983	261,726	41,534	540,175
	Phosphorus	48,181 (58)	28,095	20,144	2,487	45,694
2019	Nitrogen	632,125 (23,589)	635,145	20,569	54,074	578,051
	Phosphorus	68,952 (7,724)	34,550	42,126	4,402	64,550



Previous 5 Seasons At a Glance

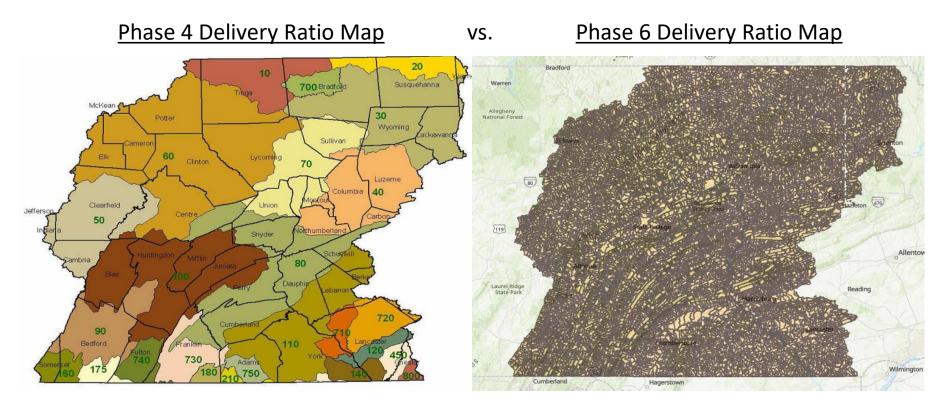




Recent Nutrient Trading Updates

Chesapeake Bay Nutrient Tracking Tool

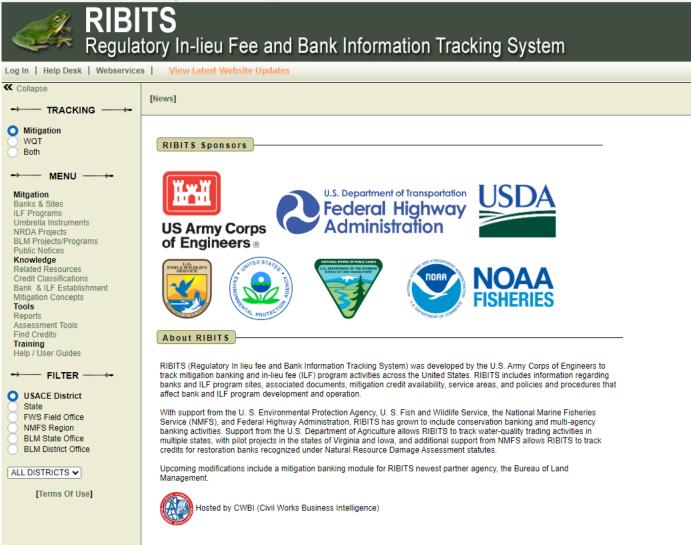
Updated Delivery Ratios:





Future Nutrient Trading Updates

An official website of the United States government Here's how you know Y





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Nutrient Trading Resource Account <u>RA-EPPANUTRIENTTRAD@pa.gov</u>