



The National Agricultural Law Center

The nation's leading source for agricultural & food law research & information

NationalAgLawCenter.org | nataglaw@uark.edu

Voluntary Approaches to Agricultural Water Pollution Reduction:

50 State Compilation



State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
Alabama	<p>No. Through NPDES permitting process AL considers reductions from facilities or nonpoint sources which may provide additional allocation. The process can be achieved through instream monitoring, water quality modeling, and/or other appropriate methods. ¹</p> <p>The Alabama Nonpoint Source Management Program states that water quality trading “should be considered as a potential component of the states holistic [nonpoint source] pollution management approach.”²</p>	Part of Alabama Nonpoint Source Management Program ³	Alabama Department of Environmental Management	N/A	Alabama Administrative Code Chapter 335-6-7 ⁴	http://adem.alabama.gov/programs/water/default.cnt
Alaska	No. Water quality trading typically involves pollutants like nutrients, but not sedimentation or bacteria--which are the pollutants of concern in AK. ⁵	Part of Alaska Nonpoint Source Water Pollution Prevention and Restoration Strategy ⁶	Alaska Department of Environmental Conservation, Division of Water	N/A	Alaska Administrative Code 18 AAC 70. Water Quality Standards ⁷	https://dec.alaska.gov/water/water-quality
Arizona	No. Arizona does have a directive from the legislature to adopt a framework for nonpoint source pollution. The directive was issued in 2006 and there is still no framework. ⁸	San Pedro River Targeted Watershed E. coli Reduction Improvement Plan ⁹	Arizona Department of Environmental Quality	Arizona state directive from legislature to adopt framework for nonpoint source pollution. ARS 49 Section 203(a)(3) ¹⁰	Arizona Administrative Code, Article 5. Grazing Best Management Practices. ¹¹	https://www.azdeq.gov/wqd
Arkansas	<p>Yes. Act 335 (codified at A.C.A. §§ 8-4-232, 233) provides legislative approval for “nutrient water quality trading programs,” including the use of credits, offsets, and compliance associations.¹² No active programs.</p> <p>Arkansas Nutrient Water Quality Trading Advisory Panel¹³</p>	Part of State of Arkansas Nutrient Reduction Strategy ¹⁴	Arkansas Energy & Environment	A.C.A. § 8-4-232 ¹⁵ A.C.A. § 8-4-233 ¹⁶	N/A	https://www.adeq.state.ar.us/water/
California	<p>There is no state-wide trading program in place. Certain local boards with authority to issue permits and implement programs have created WQT programs of their own.</p> <p>Contra Costa County Alternative Compliance System.¹⁷</p> <p>Lake (Tahoe) Water Clarity Crediting Program.¹⁸</p> <p>-Santa Rosa Nutrient Offset Program.¹⁹</p> <p>Sacramento River Development of Mercury Offset Program.²⁰</p>	Part of Nonpoint Source Pollution Control Program ²¹	California Water Resources Board	N/A	California Water Code. Division 7. Chapter 5.4. Nonpoint Pollution Control Program ²²	http://www.waterboards.ca.gov

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
Colorado	<p>Yes. Colorado has a Pollutant Trading Policy²³</p> <p>Chatfield Reservoir Water Quality Trading²⁴</p> <p>Cherry Creek Basin Nonpoint Source Phosphorus Trading²⁵</p> <p>Bear Creek Phosphorus Trading²⁶</p>	<p>Colorado incorporates BMPs into its Environmental Agriculture Program.²⁷</p> <p>Best Management Practices for Colorado²⁸</p> <p>Glen Canyon Dam Adaptive Management Program²⁹</p>	Department of Public Health & Environment	<p>Code of Colorado Regulations No. 71 – Dillon Reservoir Control Regulation³⁰</p> <p>Code of Colorado Regulations No. 72 Cherry Creek Reservoir Control Regulation³¹</p> <p>Code of Colorado Regulations No. 73 – Chatfield Reservoir Control Regulation³²</p> <p>Code of Colorado Regulations No. 74 – Bear Creek Watershed Control Regulation³³</p> <p>Code of Colorado Regulations Regulation No.85 - Nutrients Management Control Regulation³⁴</p>	<p>Code of Colorado Regulations No. 81 – Animal Feeding Operations Control Regulation³⁵</p> <p>Code of Colorado Regulations Regulation No.85 - Nutrients Management Control Regulation³⁶</p>	https://www.colorado.gov/cdph/e/wqcd
Connecticut	Yes. State of Connecticut Nitrogen Credit Exchange for Long Island Sound ³⁷	Part of Nonpoint Source Management Program ³⁸	Connecticut Department of Energy and Environmental Protection	<p>Public Act 15-38³⁹</p> <p>Public Act 01-180⁴⁰</p>	Chapter 446k – Water Pollution Control ⁴¹	https://portal.ct.gov/DEEP/Water/Water
Delaware	<p>Yes. No statewide program in place.</p> <p>Lower Delaware River Basin Water Quality Trading⁴²</p> <p>Inland Bays Watershed⁴³</p> <p>Indian River and Bay, Rehoboth Bay, Little Assawoman Bay Watersheds⁴⁴</p>	<p>Used in the Delaware River.⁴⁵</p> <p>Delaware Strategic Plan⁴⁶</p>	Delaware Department of Natural Resources and Environmental Control	Delaware Administrative Code Title 3, 1200 ⁴⁷	N/A	https://dnrec.alpha.delaware.gov/water/surface-water/
Florida	Yes. Florida has a water quality credit trading program. Currently, there have been no credits traded for agricultural sources. Since they are not permitted and there are no pollutant reduction requirements for specific agricultural operations, it seems unlikely that credit trading will be an option for agricultural sources. ⁴⁸	Florida Department of Agriculture and Consumer Services' Best Management Practices Program. ⁴⁹	<p>Florida Department of Environmental Protection</p> <p>Florida Department of Agriculture and Consumer Services</p>	Florida Administrative Code 62-306.700 ⁵⁰	BMP Rules, Manuals and Brochures ⁵¹	<p>https://floridadep.gov/DEAR/Water-Quality-Restoration</p> <p>https://www.fdacs.gov/Agriculture-Industry/Water/Agricultural-Best-Management-Practices</p>
Georgia	<p>Yes. No statewide program in place. Georgia is looking into developing a water quality trading program.⁵²</p> <p>Lake Allatoona Watershed Feasibility Study⁵³</p> <p>Coosa Basin Watershed Feasibility Study⁵⁴</p>	Part of Georgia's Statewide Nonpoint Source Management Plan ⁵⁵	Environmental Protection Division	N/A	Water Quality Control Act ⁵⁶	https://epd.georgia.gov/watershed-protection-branch

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
Hawaii	No	Stated Objective in Hawaii's Nonpoint Source Management Plan	State of Hawaii, Department of Health, Clean Water Branch	N/A	HAR 11-54 – Water Quality Standards ⁵⁷ HAR 11-55 – Water Pollution Control ⁵⁸	https://health.hawaii.gov/water/
Idaho	Idaho Code § 39-3640 states that “[i]t is the policy of the state of Idaho to support water quality trading and other voluntary, cost-effective, and innovative means of attaining and maintaining water quality standards.” ⁵⁹ Under Idaho’s Water Quality Standards, water quality trading may be conducted in conjunction with the development or implementation of water quality improvement plans, which are designed to restore water quality-limited water bodies to meet water quality standards and support beneficial uses. ⁶⁰ Lower Boise River Effluent Trading Demonstration Project ⁶¹ Bear River Water Quality Trading Model ⁶² House Bill 99 would allow the Department Of Environmental Quality to create a voluntary water quality trading program. ⁶³ Dillon Reservoir Water Quality Trading ⁶⁴	Idaho has incorporated adaptive management approaches into a number of TMDL implementation plans ⁶⁵	Department of Environmental Quality	Idaho Code § 39-3640 ⁶⁶ IDAPA 58.01.02.055.06 ⁶⁷	IDPA 58.01.02 ⁶⁸	https://www.deq.idaho.gov/water-quality
Illinois	No statewide program exists. Water Quality Trading Opportunities in Illinois ⁶⁹ Big Bureau Creek Watershed Feasibility Study ⁷⁰ The Piasa Creek Watershed Project ⁷¹	Part of Illinois' Nutrient Loss Reduction Strategy ⁷²	Illinois Environmental Protection Agency	N/A	35 Ill. Admin. Code § 502 ⁷³	https://www2.illinois.gov/epa/topics/water-quality/Pages/default.aspx
Indiana	Yes. Indiana is part of the Ohio River Basin Water Quality Trading Program. This work is mostly concentrated in SE Indiana. ⁷⁴	Indiana does not consider BMPs adaptive management. ⁷⁵ Indiana Department of Environmental Management uses adaptive management to evaluate progress evaluation in watersheds. ⁷⁶ Indiana is part of the INField Advantage network. ⁷⁷	Indiana Department of Environmental Management, Water Pollution Control Division	Pilot Trading Plan 1.0 for the Ohio River Basin Water Quality Trading Project ⁷⁸ First Amendment to Pilot Trading Plan ⁷⁹ Second Amendment to Pilot Trading Plan ⁸⁰	IAC Article 15. NPDES General Permit Rule Program ⁸¹	https://www.in.gov/idem/cleanwater/
Iowa	No. A program is in development. ⁸² Water Quality Trading and Wetland Banking: Lessons for Iowa ⁸³	Landowners in the Rock Creek watershed started organizing to improve water quality with the help of the Mitchell County	Iowa Department of Natural Resources	N/A	IAC Ch. 61 – Water Quality Standards ⁸⁵ I.C.A. § 455B.176A ⁸⁶	https://www.iowadnr.gov/environmental-protection/water-quality

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
		Soil and Water Conservation District and the Iowa DNR. ⁸⁴				
Kansas	No. No program in development. Did not respond to email inquiry.	Recommended in Kansas Water Quality Monitoring and Assessment Strategy. ⁸⁷	Kansas Department of Health and the Environment	N/A	N/A	https://www.kdheks.gov/water-permitting/index.htm
Kentucky	Yes. Kentucky is part of the Ohio River Basin Water Quality Trading Program. ⁸⁸ Kentucky Nutrient Reduction Strategy ⁸⁹	Part of the Kentucky Nutrient Reduction Strategy ⁹⁰ Kentucky Agriculture Water Quality Act Planning Tool ⁹¹	Kentucky Energy and Environment Cabinet	Pilot Trading Plan 1.0 for the Ohio River Basin Water Quality Trading Project ⁹² First Amendment to Pilot Trading Plan ⁹³ Second Amendment to Pilot Trading Plan ⁹⁴	Kentucky Agriculture Water Quality Act ⁹⁵	https://eec.ky.gov/Environmental-Protection/Water/Pages/default.aspx
Louisiana	Yes. The Louisiana Department of Environmental Quality developed a water quality trading program. ⁹⁶	Part of Louisiana Nutrient Reduction Strategy ⁹⁷	Louisiana Department of Environmental Quality	LSA-RS 30:2074 ⁹⁸ Water Quality Trading amended rule WQ109 in Louisiana Register, Vol. 47, No. 7. ⁹⁹	Louisiana Administrative Code. Title 33, Part IV, Subpart 1. Water Pollution Control.	https://www.deq.louisiana.gov/
Maine	No. Any water quality issues that result in non-attainment of standards are addressed through the TMDL process. All final TMDLs are reviewed and approved by the US EPA in Region I (Boston). Permittees subject to the TMDL have the opportunity to do pollutant trading amongst themselves with the bottom line that the requirements are met. Discharge permits are issued accordingly. ¹⁰⁰	However, an adaptive management approach is being pursued. ¹⁰¹ Maine Nonpoint Source Management Program Plan ¹⁰²	Maine Department of Environmental Protection	N/A	N/A	https://www.maine.gov/dep/water/programs/index.html
Maryland	Yes. Maryland Water Quality Trading Program. ¹⁰³	Maryland has embraced adaptive management. ¹⁰⁴ Chesapeake Bay Program ¹⁰⁵	Maryland Department of the Environment	Title 26 Department of the Environment, Subtitle 08 Water Pollution, Chapter 11 Maryland Water Quality Trading Program ¹⁰⁶	Md. Code Regs. 26.08.02.04. Anti-Degradation Policy ¹⁰⁷	https://mde.maryland.gov/programs/Water/WQT/Pages/guidance.aspx
Massachusetts	Charles River Watershed Online Phosphorus Trading System ¹⁰⁸	Massachusetts uses BMPs and other programs. ¹⁰⁹	Massachusetts Department of Environmental Protection	N/A	10 CMR 36.00. Massachusetts Water Resources Management Program ¹¹⁰	https://www.mass.gov/guides/watershed-planning-program
Michigan	No. Michigan adopted water quality trading regulations in the early 2000s, but they were rescinded. ¹¹¹	Part of Michigan Nonpoint Source Program Plan. ¹¹² Michigan Lake Erie Adaptive Management Plan. ¹¹³	Michigan Department of Environment, Great Lakes, and Energy	N/A	N/A	
Minnesota	Yes. Under Minnesota's trading framework, water quality trades and offsets may not contribute to violations of water quality standards. Credits must be upstream of the targeted body of water and trades may not occur where a waterbody that does not meet water quality standards for the pollutant of	Part of Minnesota's Nutrient Reduction Strategy. ¹¹⁵	Minnesota Pollution Control Agency	Minn. Stat. § 115.03(10) ¹¹⁶	Minn. Stat. § 103G.801 ¹¹⁷	https://www.pca.state.mn.us/

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
	concern is located between an upstream credit user and a downstream credit generator. ¹¹⁴					
Mississippi	No.	Part of Mississippi's Strategies to Reduce Nutrients and Associated Pollutants ¹¹⁸	Mississippi Department of Environmental Quality	N/A	N/A	https://www.mdeq.ms.gov/water/
Missouri	No. The Department of Natural Resources is exploring potential development of a water quality trading program. ¹¹⁹	Missouri has an extensive adaptive management framework. The soil and water program invests millions of dollars into best management practices. ¹²⁰	Missouri Department of Natural Resources	N/A	Mo. Stat. Ch. 278 ¹²¹	https://dnr.mo.gov/
Montana	Yes. No credits have been created from agricultural sources. Montana Nutrient Trading Policy ¹²²	Part of Montana Agricultural Water Quality Monitoring Program. ¹²³	Montana Department of Natural Resources	Mont. Admin. R. 17.30.1701 ¹²⁴	Mont. Admin. R. 4.11.202 ¹²⁵ Mont. Code Title 80, Chapter 15 ¹²⁶	https://deq.mt.gov/Water/
Nebraska	No.	BMPs are used for livestock waste control under 130 Neb. Admin. Code Ch. 11. ¹²⁷ Nutrient Management Plans are also required of each applicant for a permit under 130 Neb. Admin. Code Ch. 14. ¹²⁸ Nebraska Chemington Regulations ¹²⁹	Nebraska Department of Environment and Energy	N/A	130 Neb. Admin. Code Ch. 11. ¹³⁰ 130 Neb. Admin. Code Ch. 14. ¹³¹ Nebraska Chemington Regulations ¹³²	http://www.deq.state.ne.us/ND/eqprog.nsf/WaterHome.xsp
Nevada	No statewide program. Las Vegas Wash Surface Water Quality Monitoring and Assessment Plan ¹³³ 2011-2030 Comprehensive Regional Water Management Plan.	Part of Nevada Nonpoint Source Pollution Management Program. ¹³⁴ State Handbook of Best Management Practices ¹³⁵	Nevada Division of Environmental Protection	N/A	Nev. Admin. Code 445A.336	https://ndep.nv.gov/water/water-pollution-control
New Hampshire	No.	Part of New Hampshire Nonpoint Source Management Plan. ¹³⁶	New Hampshire Department of Environmental Services	N/A	N.H. Code Admin. R. 1708 ¹³⁷	https://www.des.nh.gov/water
New Jersey	No. Development and Water Quality Model Validation of a Phosphorus Trading Program for the Non-Tidal Passaic River Basin. ¹³⁸	On-Farm Strategies to Protect Water Quality ¹³⁹	State of New Jersey Department of Agriculture	N/A	N.J. Stat. Title 58 ¹⁴⁰	https://www.nj.gov/agriculture/divisions/anr/agriassist/waterquality.html
New Mexico	No.	No statewide program. Rio Grande Water Fund ¹⁴¹ Glen Canyon Dam Adaptive Management Program ¹⁴²	New Mexico Environment Department	N/A	N/A	https://www.env.nm.gov/water/
New York	Yes. Permanent Phosphorus Offset Program ¹⁴³	New York Agricultural Non-point Source Abatement and Control Program. ¹⁴⁴	New York State Department of Agriculture and Markets	N.Y. Comp. Codes R. & Regs. tit. 10, § 128-8.4 ¹⁴⁶	N/A	https://agriculture.ny.gov/soil-and-water/agricultural-non-point-source-abatement-and-control

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
		Agricultural Best Management Practices Catalog ¹⁴⁵				
North Carolina	Yes. North Carolina Nutrient Offset Crediting. ¹⁴⁷ Standard Procedures for the Purchase & Sale of Nutrient Offset Credits. ¹⁴⁸	North Carolina Adaptive Management Strategy ¹⁴⁹ North Carolina Nutrient Criteria Development Plan ¹⁵⁰ North Carolina Nutrient Management Strategy Rules for Surface Waters ¹⁵¹	North Carolina Environmental Quality	N.C. Gen. Stat. § 143-214.26 ¹⁵² 15A NCAC 2B.0703 ¹⁵³	N.C. Gen. Stat. § 143-214.7 ¹⁵⁴ 15A NCAC 2B.0701 ¹⁵⁵ 15A NCAC 2B.0710 ¹⁵⁶ 15A NCAC 2B.0262 ¹⁵⁷ 15A NCAC 2B.0730 ¹⁵⁸	https://deq.nc.gov/about/divisions/water-resources
North Dakota	No.	Part of North Dakota Nutrient Reduction Strategy ¹⁵⁹	North Dakota Department of Environmental Quality	N/A	N.D.A.C. 33.1-16-03.1 ¹⁶⁰	https://deq.nd.gov/WQ/
Ohio	Yes. Ohio is part of the Ohio River Basin Water Quality Trading Program. ¹⁶¹ Ohio Water Quality Trading Program ¹⁶²	Part of Ohio Nonpoint Source Management Plan ¹⁶³	Ohio Environmental Protection Agency Ohio Department of Agriculture, Division of Soil & Water Conservation	Ohio Admin. Code 3745-5-05 ¹⁶⁴ Ohio Admin. Code 3745-5-06 ¹⁶⁵	Ohio Rev. Code Ch. 939 ¹⁶⁶ Ohio Admin. Code 901:13-1-04	https://www.epa.state.oh.us/ https://agri.ohio.gov/wps/portal/gov/oda/divisions/soil-and-water-conservation
Oklahoma	No.	Part of Oklahoma's Nonpoint Source Management Program. Nonpoint sources are assigned a load allocation for the pollutant and the Oklahoma Conservation Commission works with landowners to implement BMPs to reduce nonpoint source pollutant loads. ¹⁶⁷	Oklahoma Conservation Commission (Nonpoint-source technical lead State Agency) Oklahoma State Department of Agriculture, Food and Forestry Oklahoma Department of Environmental Quality	N/A	Okla. Stat. tit. 2. Agriculture ¹⁶⁸ Okla. Stat. tit. 2, § 20-48 ¹⁶⁹ Okla. Stat. tit. 2, § 20-10 ¹⁷⁰ Okla. Stat. tit. 2, § 10-9.7 ¹⁷¹ Okla. Admin. Code 35:17-4-16 ¹⁷² Okla. Admin. Code 35:17-3-20 ¹⁷³ Okla. Admin. Code 252:611-1-6 ¹⁷⁴	https://www.ok.gov/conservation/Agency_Divisions/Water_Quality_Division/index.html https://ag.ok.gov/ https://www.deq.ok.gov/divisions/wqd/
Oregon	Yes. Oregon Water Quality Trading Program. ¹⁷⁵ DEQ Water Quality Trading Internal Management Directive ¹⁷⁶	Part of Oregon Water Quality Management Area Plans ¹⁷⁷ Agricultural Water Quality Program Implementation ¹⁷⁸ Agricultural Drainage Channel Maintenance ¹⁷⁹ Water Quality Permitting ¹⁸⁰	Oregon Department of Agriculture, Water Quality Program	Or. Admin. R. 340-039-0001 ¹⁸¹ Or. Admin. R. 340-039-0017 ¹⁸² Or. Admin. R. 340-039-0025 ¹⁸³ Or. Rev. Stat. § 468B.555 ¹⁸⁴	Or. Admin. R. 340-039-0017 ¹⁸⁵ Or. Admin. R. 340-039-0025 ¹⁸⁶ HB 2437. Agricultural Channel Maintenance ¹⁸⁷	https://www.oregon.gov/oda/programs/NaturalResources/AgWQ/Pages/AgWQPlans.aspx https://www.oregon.gov/deq/wq/Pages/default.aspx
Pennsylvania	Yes. Pennsylvania Nutrient Credit Trading ¹⁸⁸	Agricultural Best Management Practices for Pennsylvania ¹⁸⁹ Manure Management ¹⁹⁰	Pennsylvania Department of Environmental Protection	25 Pa. Code § 96.8 ¹⁹³	25 Pa. Code Ch. 91 ¹⁹⁴ 25 Pa. Code Ch. 92a ¹⁹⁵ 25 Pa. Code Ch. 83 ¹⁹⁶	https://www.dep.pa.gov/Business/Water/Pages/default.aspx

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
		Pennsylvania Best Management Practice Verification Program Plan ¹⁹¹ Nutrient Management Act Program Technical Manual ¹⁹²				
Rhode Island	No.	Barnyard, Manure, and Waste Best Management Practices ¹⁹⁷ Irrigation Best Management Practices ¹⁹⁸ Rhode Island Resource Management Guide ¹⁹⁹	Rhode Island Department of Environmental Management	N/A	250 R.I. Code R. 150-05 ²⁰⁰ 250 R.I. Code R. 40-20-3.6 ²⁰¹	http://www.dem.ri.gov/programs/water/
South Carolina	Yes. Saluda River arm of Lake Greenwood Phosphorus Trading. ²⁰²	No.	South Carolina Department of Health and Environmental Control	N/A	N/A	https://scdhec.gov/
South Dakota	No government-run program. Big Sioux Water Quality Trading Project Funded by a Conservation Innovation Grant.	Used in South Dakota Nonpoint Source Management Plan ²⁰³	South Dakota Department of Environment & Natural Resources	N/A	N/A	https://denr.sd.gov/#
Tennessee	No. The Use of Restored Wetlands in Western Tennessee to Reduce Nutrient and Sediment Loading Through Water Quality Trading ²⁰⁴ Nutrient-Related Water Quality Trading Feasibility Study ²⁰⁵	Part of Tennessee Nutrient Reduction Framework ²⁰⁶			Tenn. Comp. R. & Regs. 0080-07-03-.02 ²⁰⁷ Tenn. Comp. R. & Regs. 0400-40-05-.14 ²⁰⁸	
Texas	No.	Best Management Practices for Agricultural Water Users ²⁰⁹	Texas Commission on Environmental Quality Texas Water Board	N/A	30 Tex. Admin. Code § 1 ²¹⁰	https://www.tceq.texas.gov/agency/water_main.html https://www.twdb.texas.gov/about/index.asp#twdb-history
Utah	No. Bear River Watershed Water Quality Trading Model ²¹¹	Not for Agriculture. Adaptive Management used by Utah Division of Wildlife for the sage-grouse ²¹²	Utah Department of Environmental Quality	N/A	N/A	https://deq.utah.gov/water-quality/deq-helps-farms-protect-water-quality
Vermont	No.	Farmstead Best Management Practices Program and Agricultural Engineering Services	Vermont Agency of Natural Resources Department of Environmental Conservation Vermont Agency of Agriculture, Food and Markets	N/A	Best Management Practices Rules	https://dec.vermont.gov/about-dec/a-z/water-topics https://agriculture.vermont.gov/water-quality
Virginia	Yes. Chesapeake Bay Watershed ²¹³ Virginia Nutrient Credit Exchange Association ²¹⁴	Nonpoint Source Pollution Best Management Practices ²¹⁵	Virginia Department of Environmental Quality	Va. Code. § 62.1-44.19:17 ²¹⁶	N/A	https://www.deq.virginia.gov/water/water-quality
Washington	No. Draft Water Quality Trading/Offset Framework ²¹⁷	Voluntary Clean Water Guidance for Agriculture ²¹⁸	Washington Department of Ecology	N/A	N/A	https://apps.ecology.wa.gov/publications/documents/2010009.pdf

State	Water Quality Trading	Adaptive Management	Regulating Department	Water Quality Trading Statutes/Regulations	Adaptive Management Statutes/Regulations	State Website
West Virginia	Potomac Nutrient Credit Bank and Trade Program ²¹⁹	Nonpoint Source Management Plan ²²⁰ West Virginia Conservation Agency Agricultural Enhancement Program ²²¹	West Virginia Department of Environmental Protection	N/A	N/A	https://dep.wv.gov/water/Pages/default.aspx
Wisconsin	Yes. Wisconsin State Water Quality Trading Program ²²² Guidance for Implementing Water Quality Trading in WPDES Permits ²²³	Wisconsin Adaptive Management ²²⁴ Adaptive Management Technical Handbook ²²⁵	Wisconsin Department of Natural Resources	Wis. Stat. § 283.84 ²²⁶ Wisconsin Act 151 ²²⁷	Wis. Admin. Code NR § 217.18 ²²⁸ Wis. Admin. Code NR § 212.73 ²²⁹	https://dnr.wisconsin.gov/topic/Wastewater/AmWqtMap.html
Wyoming	No government run program. Bear River Watershed Water Quality Trading Model ²³⁰	Nonpoint Source Best Management Practices ²³¹ Using Adaptive Management to Meet Conservation Goals ²³²	Wyoming Department of Environmental Quality	N/A	Wyo. Stat. § 11-5-102 ²³³ Permit Regulations for Discharges to Wyoming Surface Water ²³⁴	http://deq.wyoming.gov/wqd/

¹ <http://adem.alabama.gov/programs/water/npsprogram.cnt>

² <http://adem.alabama.gov/programs/water/nps/files/ALNPSMgmtProgramFramework.pdf>

³ <http://adem.alabama.gov/programs/water/nps/files/ALNPSMgmtProgramFramework.pdf>

⁴ <http://www.alabamaadministrativecode.state.al.us/docs/adem/335-6-7.pdf>

⁵ <https://dec.alaska.gov/water/nonpoint-source-control/>

⁶ <https://dec.alaska.gov/media/21506/final-ak-fy21-25-nps-strategy.pdf>

⁷ <http://www.akleg.gov/basis/aac.asp#18.70>

⁸ <https://www.azleg.gov/ars/49/00203.htm#:~:text=49%2D203%20%2D%20Powers%20and%20duties%20of%20the%20director%20and%20department&text=A.,1>

⁹ https://static.azdeq.gov/wqd/wip_san_pedro.pdf

¹⁰ <https://www.azleg.gov/ars/49/00203.htm#:~:text=49%2D203%20%2D%20Powers%20and%20duties%20of%20the%20director%20and%20department&text=A.,1>

¹¹ https://apps.azsos.gov/public_services/Title_18/18-09.pdf

¹² <https://www.arkleg.state.ar.us/Acts/Document?type=pdf&act=335&ddBienniumSession=2015%2F2015R>

¹³ <https://directory.arkansas.gov/agency/department-of-energy-and-environment/nutrient-water-quality-trading-advisory-panel/>

¹⁴ https://www.agriculture.arkansas.gov/wp-content/uploads/2020/05/AR_Nutrient_Reduction_Strategy_final.pdf

¹⁵ <https://law.justia.com/codes/arkansas/2019/title-8/chapter-4/subchapter-2/section-8-4-232/>

¹⁶ <https://law.justia.com/codes/arkansas/2019/title-8/chapter-4/subchapter-2/section-8-4-233/>

¹⁷ <https://www.sanpabloca.gov/2685/Regional-Alternative-Compliance>

¹⁸ https://www.waterboards.ca.gov/lahtontan/water_issues/programs/tmdl/lake_tahoe/

¹⁹ https://www.waterboards.ca.gov/northcoast/water_issues/programs/nutrient_offset_program/

²⁰ <https://www.regionalsan.com/be-mercury-free>

²¹ https://www.waterboards.ca.gov/water_issues/programs/nps/

²² https://leginfo.ca.gov/faces/codes_displayText.xhtml?lawCode=WAT&division=7.&title=&part=&chapter=5.4.&article=

²³ https://www.colorado.gov/pacific/sites/default/files/WQ_Pollutant-Trading-Policy.pdf

²⁴ <http://chatfieldwatershedauthority.org/wp-content/uploads/2013/04/Chatfield-Trading-Guidelines-Final-April-25-2007.pdf>

²⁵ <http://www.envtn.org/water-quality-trading/state-programs/Cherry%20Creek.pdf>

²⁶ [https://www.colorado.gov/pacific/sites/default/files/74_2005\(05\)header.pdf](https://www.colorado.gov/pacific/sites/default/files/74_2005(05)header.pdf)

²⁷ <https://cdphe.colorado.gov/environmental-agriculture-program/best-management-practices>

²⁸ <https://coagnutrients.colostate.edu/ag-best-management-practices>

²⁹ <https://www.usbr.gov/uc/progact/amp/index.html#documents>

³⁰ [https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2382&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20\(1002%20Series\)&seriesNum=5%20CCR%201002-71](https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2382&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20(1002%20Series)&seriesNum=5%20CCR%201002-71)

³¹ [https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2383&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20\(1002%20Series\)&seriesNum=5%20CCR%201002-72](https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2383&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20(1002%20Series)&seriesNum=5%20CCR%201002-72)

³² [https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2384&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20\(1002%20Series\)&seriesNum=5%20CCR%201002-73](https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2384&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20(1002%20Series)&seriesNum=5%20CCR%201002-73)

³³ [https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2385&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20\(1002%20Series\)&seriesNum=5%20CCR%201002-74](https://www.sos.state.co.us/CCR/DisplayRule.do?action=ruleinfo&ruleId=2385&deptID=16&agencyID=132&deptName=Department%20of%20Public%20Health%20and%20Environment&agencyName=Water%20Quality%20Control%20Commission%20(1002%20Series)&seriesNum=5%20CCR%201002-74)

³⁴ <https://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=7393&fileName=5%20CCR%201002-85>

35 <https://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=7215&fileName=5%20CCR%201002-81>

36 <https://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=7393&fileName=5%20CCR%201002-85>

37 http://www.ct.gov/dep/cwp/view.asp?a=2719&q=325572&depNav_GID=1654#NitrogenCreditExchange

38 https://portal.ct.gov/-/media/DEEP/about/quality_assurance/qaap_water/qappnspdf.pdf

39 <http://www.cga.ct.gov/2015/ACT/PA/2015PA-00038-R00SB-00940-PA.htm>

40 http://www.envtn.org/water-quality-trading/state-programs/long_island_N_act.pdf

41 https://www.cga.ct.gov/current/pub/Chap_446k.htm#Sec22a-430.htm

42 <https://www.sas.upenn.edu/lczodata/content/water-quality-trading-lower-delaware-river-basin-resource-practitioners>

43 https://www.inlandbays.org/wp-content/uploads/PCS-Assessment-draft_final.pdf

44 <https://regulations.delaware.gov/AdminCode/title7/7000/7400/7403.pdf>

45 <https://doi.org/10.2166/wp.2012.077>

46 https://www.nrcs.usda.gov/wps/PA_NRCSConsumption/download?cid=nrcseprd1697621&ext=pdf

47 <https://regulations.delaware.gov/AdminCode/title3/1200/>

48 <https://floridadep.gov/dear/water-quality-restoration/content/florida-water-quality-credit-trading-registry>

49 <https://www.fdacs.gov/Agriculture-Industry/Water/Agricultural-Best-Management-Practices>

50 <https://www.flrules.org/gateway/ruleno.asp?id=62-306.700>

51 <https://www.fdacs.gov/Agriculture-Industry/Water/Agricultural-Best-Management-Practices>

52 <https://epd.georgia.gov/document/pdf/georgiaepdwaterqualitytradingfactsheet20190920pdf/download>

53 https://www.researchgate.net/publication/23785306_Modeling_Phosphorus_in_the_Lake_Allatoona_Watershed_Using_SWAT_II_Effect_of_Land_Use_Change

54 <https://brownandcaldwell.com/papers-and-reports/nutrient-trading-in-the-coosa-basin-a-feasibility-study/>

55 <https://epd.georgia.gov/watershed-protection-branch/nonpoint-source-program>

56 <http://rules.sos.ga.gov/gac/391-3-6>

57 <https://health.hawaii.gov/cwb/hawaii-administrative-rules-har/har-11-54/>

58 <https://health.hawaii.gov/cwb/hawaii-administrative-rules-har/har-11-55/>

59 <https://legislature.idaho.gov/statutesrules/idstat/Title39/T39CH36/SECT39-3640/>

60 <https://www2.deq.idaho.gov/admin/LEIA/api/document/download/15317>

61 https://www.northwestenvironmentaladvocates.org/nweafiles/WQ_Trading/FOIA_EPA/Documents/Koburg%20-%20Idaho%20presentation%20April%202013.pptx

62 <https://bearriverinfo.org/water-quality-trading/>

63 https://www.capitalpress.com/ag_sectors/water/idaho-legislation-would-establish-voluntary-water-quality-trading/article_cba0187e-67ee-11eb-82ae-c70298f07b98.html

64 <http://www.envtn.org/water-quality-trading/state-programs/Dillon%20Reservoir.pdf>

65 <https://www.deq.idaho.gov/water-quality/surface-water/total-maximum-daily-loads/>

66 <https://legislature.idaho.gov/statutesrules/idstat/Title39/T39CH36/SECT39-3640/>

67 <https://adminrules.idaho.gov/rules/current/58/580102.pdf>

68 <https://adminrules.idaho.gov/rules/current/58/580102.pdf>

69 <https://studentorgs.kentlaw.iit.edu/ckjeel/wp-content/uploads/sites/23/2016/10/v6i1-2015-2016-3-IPCB.pdf>

70 https://static1.squarespace.com/static/567070822399a343227dd9c4/t/568acb0625981d3d913e45cb/1451936518560/TWG%20Market%20Feasibility%20Assessment_Final%209.19.pdf

71 <https://doi.org/10.1002/j.1551-8833.2005.tb07531.x>

72 <http://www.epa.state.il.us/water/nutrient/documents/illinois-nlrs-public-comment-11-20-14.pdf>

73 <https://pcb.illinois.gov/documents/dsweb/Get/Document-12086/>

74 <https://wqt.epri.com/>

75 <https://www.in.gov/idem/nps/progress-evaluation/>

76 <https://www.in.gov/idem/nps/3452.htm>

77 <https://infieldadvantage.org/>

78 https://wqt.epri.com/pdf/Full_Trading_Plan,_as_amended.pdf

79 https://wqt.epri.com/pdf/Amendment_1_Fully_Executed.pdf

80 https://wqt.epri.com/pdf/Amendment_2_Fully_Executed.pdf

81 <http://www.in.gov/legislative/iac/T03270/A00150.PDF?>

82 <https://iowaleague.org/Conference2018/PresentationsHandouts/Water%20Quaility%20Handout.pdf>

83 <https://www.iowapolicyproject.org/2010docs/100113-ISU-water.pdf>

84 <https://www.iaenvironment.org/blog/iowa-environmental-voice/watershed-wednesday-embracing-an-adaptive-management-approach>

85 <https://www.epa.gov/sites/default/files/2014-12/documents/ia-chapter61.pdf>

86 <https://www.legis.iowa.gov/docs/code/2021/455B.176A.pdf>

87 https://www.kdheks.gov/befs/download/MonStrategy_2019.pdf

88 <https://wqt.epri.com/>

89 <https://eec.ky.gov/Environmental-Protection/Water/Protection/Documents/Nutrient%20Reduction%20Strategy%20draft%205-12.pdf>

90 <https://eec.ky.gov/Environmental-Protection/Water/Protection/Documents/Nutrient%20Reduction%20Strategy%20draft%205-12.pdf>

91 <https://www.uky.edu/bae/awqp>

92 https://wqt.epri.com/pdf/Full_Trading_Plan,_as_amended.pdf

93 https://wqt.epri.com/pdf/Amendment_1_Fully_Executed.pdf

94 https://wqt.epri.com/pdf/Amendment_2_Fully_Executed.pdf

95 <https://eec.ky.gov/Natural-Resources/Conservation/Pages/Agriculture-Water-Quality-Act.aspx>

96 <https://www.deq.louisiana.gov/page/water-quality-trading>

97 <https://www.deq.louisiana.gov/page/nutrient-management-strategy>

98 <http://legis.la.gov/legis/Law.aspx?d=87135>

99 <https://www.doa.la.gov/media/kj4nyt4k/2107.pdf>

100 <https://www.maine.gov/dep/water/monitoring/tmdl/>

101 https://www.maine.gov/dep/water/monitoring/305b/2016/28-Feb-2018_2016-ME-IntegratedREPORT.pdf

102 https://www.maine.gov/dep/land/watershed/Maine%20NPS%20Mgmt%20Plan%202020-2024%20Final_F090119.pdf

103 <https://mde.maryland.gov/programs/Water/WQT/Pages/index.aspx>

104 https://dnr.maryland.gov/ccs/Documents/Adaptive-Management_Ward.pdf

105 https://www.chesapeakebay.net/what/adaptive_management

106 https://mde.maryland.gov/programs/Water/WQT/Documents/WQT_regulations.pdf

107 https://www.epa.gov/sites/default/files/2014-12/documents/mdwqs_chapters.pdf

108 <https://archives.lib.state.ma.us/bitstream/handle/2452/214471/ocn893441904.pdf?sequence=1&isAllowed=y>

109 <https://www.mass.gov/service-details/agricultural-best-management-practices-bmps>

110 <https://www.mass.gov/doc/310-cmr-3600-the-water-management-act-regulations/download>

111 <https://www.varnumlaw.com/newsroom-publications-water-quality-trading-a-program-whose-time-has-come-again>

112 https://www.michigan.gov/documents/egle/wrd-nps-program-plan-2019_683716_7.pdf

113 https://www.michigan.gov/egle/0,9429,7-135-3313_3677_95226-507535--,00.html

114 <https://www.pca.state.mn.us/water/water-quality-trading>

115 <https://www.pca.state.mn.us/water/nutrient-reduction-strategy#strategy>

116 <https://www.revisor.mn.gov/statutes/cite/115.03>

117 https://www.revisor.mn.gov/statutes/2020/cite/103G.801?keyword_type=exact&keyword=adaptive+management

118 https://www.mdeq.ms.gov/wp-content/uploads/2014/08/Mississippi_Strategies_to_Reduce_Nutrient_and_Associated_Pollutants_03_02_2012.pdf

119 <https://dnr.mo.gov/env/wpp/cwforum/nutrient-trading.htm>

120 <https://dnr.mo.gov/pubs/pub2166.pdf>

121 <https://revisor.mo.gov/main/OneChapter.aspx?chapter=278>

122 https://deq.mt.gov/files/Water/WQPB/Standards/NutrientWorkGroup/NutrientWorkGroupRulePackage12_13/CircularDEQ13.pdf

123 <https://dnr.mo.gov/env/swcp/nps/documents/ag-water-quality.pdf>

124 <http://www.mtrules.org/gateway/RuleNo.asp?RN=17%2E30%2E1701>

125 <http://www.mtrules.org/gateway/ruleno.asp?RN=4%2E11%2E202>

126 https://leg.mt.gov/bills/mca/title_0800/chapter_0150/parts_index.html

127 <http://dee.ne.gov/RuleAndR.nsf/RuleAndReg.xsp?documentId=7DAF6ADE09A2BB1A862568970059F877&action=openDocument>

128 <http://dee.ne.gov/RuleAndR.nsf/RuleAndReg.xsp?documentId=91AE060052D4D48B86256897005A71E4&action=openDocument>

129 http://deq.ne.gov/RuleAndR.nsf/Title_195.xsp/RuleAndReg.xsp?documentId=93F323D14FB2317C86256746006FC485&action=openDocument

130 <http://dee.ne.gov/RuleAndR.nsf/RuleAndReg.xsp?documentId=7DAF6ADE09A2BB1A862568970059F877&action=openDocument>

131 <http://dee.ne.gov/RuleAndR.nsf/RuleAndReg.xsp?documentId=91AE060052D4D48B86256897005A71E4&action=openDocument>

132 http://deq.ne.gov/RuleAndR.nsf/Title_195.xsp/RuleAndReg.xsp?documentId=93F323D14FB2317C86256746006FC485&action=openDocument

133 https://www.lvwash.org/assets/pdf/resources_surfacewq_final.pdf

134 <https://ndep.nv.gov/water/rivers-streams-lakes/nonpoint-source-pollution-management-program/best-management-practices-toolbox>

135 <https://ndep.nv.gov/uploads/water-nonpoint-docs/NVBMPHandbook1994.pdf>

136 <https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/2020-01/r-wd-19-22.pdf>

137 <https://www.des.nh.gov/sites/g/files/ehbemt341/files/documents/2020-01/Env-Wq%201700.pdf>

138 <https://www.nj.gov/dep/wms/bears/docs/FinalWaterqualitytradingreport.pdf>

139 <https://www.nj.gov/agriculture/divisions/anr/pdf/BMPManual.pdf>

140 <https://law.justia.com/codes/new-jersey/2020/title-58/>

141 <https://riograndewaterfund.org/plans/>

142 <https://www.usbr.gov/uc/progact/amp/index.html#background>

143 <https://regs.health.ny.gov/content/section-128-84-permanent-phosphorus-offset-programs>

144 <https://agriculture.ny.gov/soil-and-water/agricultural-non-point-source-abatement-and-control>

145 <https://agriculture.ny.gov/soil-and-water/agricultural-best-management-practices-catalog>

146 <https://regs.health.ny.gov/content/section-128-84-permanent-phosphorus-offset-programs>

147 <https://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information#stormwater-nutrient-accounting-tools>

148 <https://files.nc.gov/ncdeq/Water%20Quality/Surface%20Water%20Protection/401/Mitigation/NutrientCreditSales%20SOP.pdf>

149 <https://www.adaptationclearinghouse.org/resources/nc-adapt-adaptive-management-strategies-for-farms-and-forests.html>

150 <https://files.nc.gov/ncdeq/Water%20Quality/Environmental%20Sciences/ECO/NutrientCriteria/North%20Carolina-NCDP-June-2014.pdf>

151 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0701.pdf>

152 https://www.ncleg.net/EnactedLegislation/Statutes/PDF/BySection/Chapter_143/GS_143-214.26.pdf

153 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0703.pdf>

154 https://www.ncleg.net/enactedlegislation/statutes/html/bysection/chapter_143/gs_143-214.7.html

155 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0701.pdf>

156 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0710.pdf>

157 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0262.pdf>

158 <http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2002%20-%20environmental%20management/subchapter%20b/15a%20ncac%2002b%20.0730.pdf>

159 https://deq.nd.gov/WQ/3_Watershed_Mgmt/4_Nutrient_Reduction/NutRed.aspx

160 <https://www.legis.nd.gov/information/acdata/pdf/33.1-16-03.1.pdf>

161 <https://wqt.epri.com/>

162 https://www.epa.ohio.gov/dsw/WQ_trading/index

163 <https://epa.ohio.gov/dsw/nps/index#120843258-nps-management-plan>

164 https://www.epa.ohio.gov/dsw/rules/3745_5

165 <https://codes.ohio.gov/ohio-administrative-code/rule-3745-5-06>

166 <https://codes.ohio.gov/ohio-revised-code/chapter-939>

167 <https://www.ok.gov/conservation/documents/2014%20NPS%20Mgmt%20Plan.pdf>

168 <https://oksenate.gov/sites/default/files/2019-12/os2.pdf>

169 <https://law.justia.com/codes/oklahoma/2020/title-2/section-2-20-48/>

170 <https://law.justia.com/codes/oklahoma/2020/title-2/section-2-20-10/>

171 <https://law.justia.com/codes/oklahoma/2020/title-2/section-2-10-9-7/>

172 <http://okrules.elaws.us/oac/35:17-4-16>

173 <http://okrules.elaws.us/oac/35:17-3-20>

174 <http://okrules.elaws.us/oac/252:611-1-6>

175 <https://www.oregon.gov/deq/wq/wqpermits/Pages/Trading.aspx>

176 <https://www.oregon.gov/deq/Filtered%20Library/WQTradingIMD.pdf>

177 <https://www.oregon.gov/oda/programs/NaturalResources/AgWQ/Pages/AgWQPlans.aspx>

178 [https://www.oregonlegislature.gov/committees/201911-HWTR/WorkgroupDocuments/Samantha%20Bayer,%20OFB%20\(ODA%20one-pager\).pdf](https://www.oregonlegislature.gov/committees/201911-HWTR/WorkgroupDocuments/Samantha%20Bayer,%20OFB%20(ODA%20one-pager).pdf)

179 <https://www.oregon.gov/oda/programs/NaturalResources/Pages/AgChannelMaintenance.aspx>

180 <https://www.oregon.gov/deq/wq/wqpermits/Pages/default.aspx>

181 <https://secure.sos.state.or.us/oard/displayDivisionRules.action?selectedDivision=1456>

182 <https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=68612>

183 <https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=68614>

184 https://oregon.public.law/statutes/ors_468b.555

185 <https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=68612>

186 <https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=68614>

187 <https://legiscan.com/OR/text/HB2437/id/2044443/Oregon-2019-HB2437-Enrolled.pdf>

188 <https://www.dep.pa.gov/Business/Water/CleanWater/NutrientTrading/Pages/default.aspx>

189 https://files.dep.state.pa.us/Water/ChesapeakeBayOffice/WIPIII/2020/Summary_Documents/Agricultural%20Best%20Management%20Practices%203020-HD-DEP5258.pdf

190 <https://www.dep.pa.gov/Business/Water/Pennsylvania%E2%80%99s%20Chesapeake%20Bay%20Program%20Office/agriculture/Pages/Manure-Management.aspx>

191 https://files.dep.state.pa.us/Water/ChesapeakeBayOffice/PA_2020_Best_Management_Practice_Verification_Program_Plan_12-01-2020.pdf

192 <https://extension.psu.edu/programs/nutrient-management/planning-resources/alternative-tech-manual/nutrient-management-technical-manual>

193 <http://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter96/s96.8.html&d=reduce>

194 <http://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter91/chap91toc.html&d=reduce>

195 <http://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter92a/chap92atoc.html&d=reduce>

196 <http://www.pacodeandbulletin.gov/Display/pacode?file=/secure/pacode/data/025/chapter83/chap83toc.html&d=reduce>

197 <http://www.dem.ri.gov/programs/bnatres/agricult/pdf/barnyardbmp.pdf>

198 <http://www.dem.ri.gov/programs/bnatres/agricult/pdf/irrigationbmp.pdf>

199 <http://riconservation.org/RI-ResourceMgtGuide.pdf>

200 <https://casetext.com/regulation/rhode-island-administrative-code/title-250-department-of-environmental-management/chapter-150-water-resources/subchapter-05-water-quality>

201 <https://casetext.com/regulation/rhode-island-administrative-code/title-250-department-of-environmental-management/chapter-40-agriculture-and-resource-marketing/subchapter-20-marketing/part-3-rules-and-regulations-for-agricultural-composting-250-ricr-40-20-3/section-250-ricr-40-20-36-agricultural-composting-operating-standards>

202 <https://www.acwa-us.org/wp-content/uploads/2017/10/South-Carolina-WQT-Case-Study.pdf>

203 <https://denr.sd.gov/dfta/wp/documents/NPSMgmtPlan14.pdf>

204 http://www.envtn.org/water-quality-trading/state-programs/EPA%20grant%20WS95442209_Nutrient%20Trading%20Final%20Report2012-3.pdf

205 https://trace.tennessee.edu/cgi/viewcontent.cgi?article=6205&context=utk_gradthes

206 <https://www.tn.gov/environment/program-areas/wr-water-resources/nutrient-management-in-tennessee/background/tennessee-nutrient-reduction-framework0.html>

207 <https://casetext.com/regulation/tennessee-administrative-code/title-0080-department-of-agriculture/subtitle-0080-07-forestry/chapter-0080-07-03-forestry-best-management-practices/section-0080-07-03-02-bmps-that-prevent-erosion-soil-loss-and-potential-sedimentation>

208 <https://casetext.com/regulation/tennessee-administrative-code/title-0400-environment-and-conservation/subtitle-0400-40-water-resources-wpc/chapter-0400-40-05-permits-effluent-limitations-and-standards/section-0400-40-05-14-animal-feeding-operations>

209 <https://www.twdb.texas.gov/conservation/BMPs/Ag/index.asp>

210 [https://texreg.sos.state.tx.us/public/readtac\\$ext.ViewTAC?tac_view=3&ti=30&pt=1](https://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=3&ti=30&pt=1)

211 <https://bearriverinfo.org/water-quality-trading/water-quality-model>

212 <https://wildlife.utah.gov/sage-grouse/drafts/adaptive-management.pdf>

213 http://www.nutrientcreditsva.com/images/DEQ_Nutrient-Trading-Manual.pdf

214 <http://www.theexchangeassociation.org/>

215 <https://www.dcr.virginia.gov/soil-and-water/npsbmp>

216 <https://law.lis.virginia.gov/vacode/title62.1/chapter3.1/section62.1-44.19:17/#:~:text=%2D44.19%3A17.-,Virginia%20Nutrient%20Credit%20Exchange%20Association%20authorized,%3B%20composition%3B%20appointment%3B%20terms.&text=of%20Title%2013.1%2C%20to%20be,exchange%20program%20by%20its%20members.>

217 <https://apps.ecology.wa.gov/publications/documents/1010064.pdf>

218 <https://apps.ecology.wa.gov/publications/documents/2010009.pdf>

219 https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1044928.pdf

220 <https://dep.wv.gov/WWE/Programs/nonptsource/NPSReports/Documents/WV319MgmtPlan2019.pdf>

221 <https://www.wvca.us/AgEP.cfm>

222 [https://dnr.wisconsin.gov/topic/Wastewater/WaterQualityTrading.html#:~:text=Overview-Overview,based%20effluent%20limitations%20\(WQBELs\).&text=Guidance%20is%20available%20to%20assist%20participants%20in%20developing%20a%20successful%20trading%20strategy.](https://dnr.wisconsin.gov/topic/Wastewater/WaterQualityTrading.html#:~:text=Overview-Overview,based%20effluent%20limitations%20(WQBELs).&text=Guidance%20is%20available%20to%20assist%20participants%20in%20developing%20a%20successful%20trading%20strategy.)

223 <https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=83858832>

224 <https://dnr.wisconsin.gov/topic/Wastewater/AdaptiveManagement.html>

225 <https://dnr.wi.gov/water/wsSWIMSDocument.ashx?documentSeqNo=83656445>

226 <https://docs.legis.wisconsin.gov/statutes/statutes/283/V/84>

227 <https://docs.legis.wisconsin.gov/2019/related/acts/151>

228 https://docs.legis.wisconsin.gov/code/admin_code/nr/200/217/iii/17

229 https://docs.legis.wisconsin.gov/code/admin_code/nr/200/212/III/73

230 <https://bearriverinfo.org/water-quality-trading/water-quality-model>

231 <http://deq.wyoming.gov/wqd/non-point-source/resources/mgt-practices/>

232 https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_013594.pdf

233 <https://law.justia.com/codes/wyoming/2020/title-11/chapter-5/article-1/section-11-5-102/>

234 https://rules.wyo.gov/DownloadFile.aspx?source_id=9763&source_type_id=81&doc_type_id=110&include_meta_data=Y&file_type=pdf&filename=9763.pdf&token=137154168010112251023075038252050235157169217097