



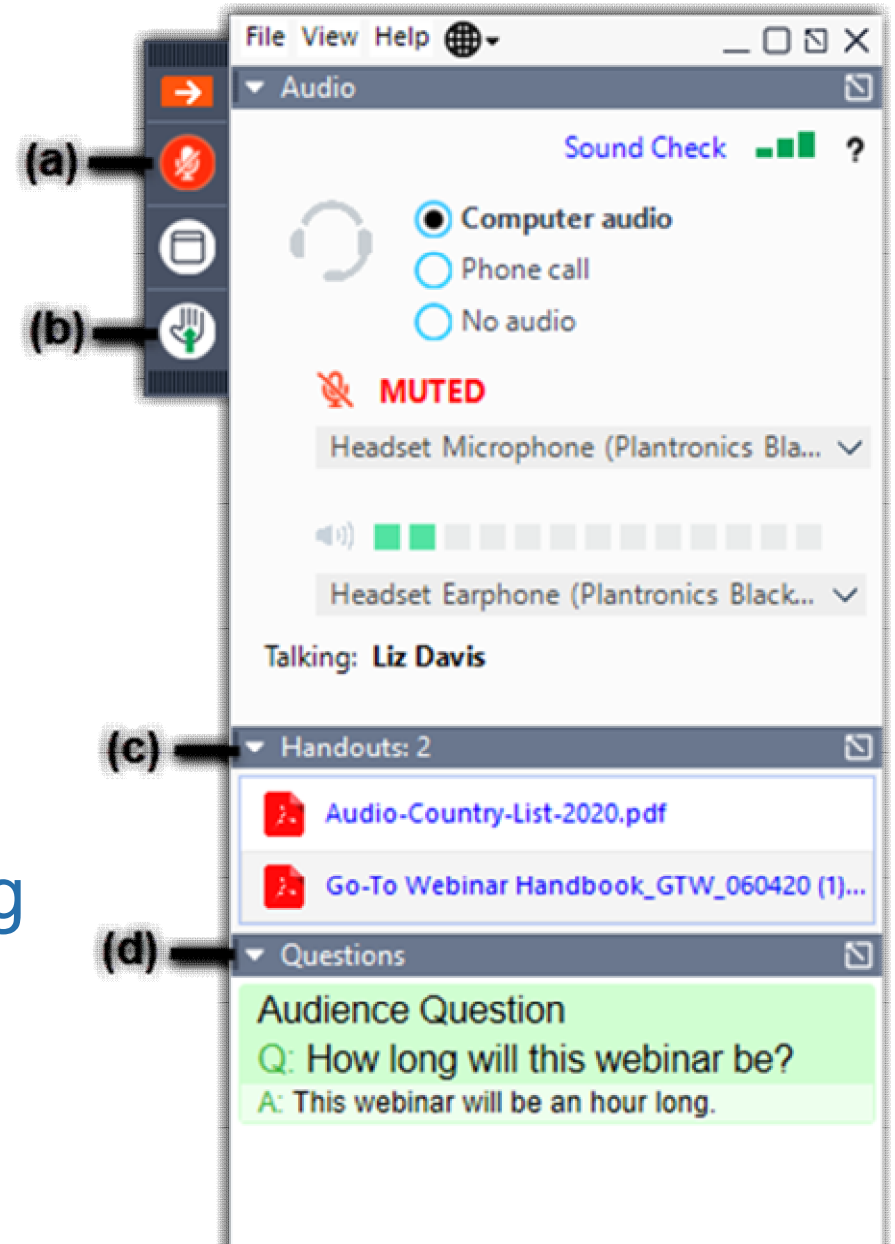
DEQ 101: Who We Are and What We Do

Virginia Department of Environmental Quality
August 27, 2024

How to Use GoToWebinar

- (a) Mute button
- (b) Raise hand button
- (c) Handouts available to download
- (d) Questions box

Please be sure to **mute yourself** during the presentation. Thank you!



Poll Question #1:

Quick check -

GoToWebinar 'Chat' box

Use the '**Chat**'
box on the GoToWebinar tool bar
to answer the following question:

What do you
think DEQ does
or is responsible
for doing?

Objectives –

After this webinar, you should be able to identify:

Local DEQ office
responsible for the region
where you live

DEQ's mission & vision

Types of air, water & land
permits

DEQ activities that protect
air quality, water quality &
the land

The goal of
DEQ's compliance
and enforcement functions

Several ways you could get
involved with DEQ

Secretariat of Natural & Historic Resources



Virginia Department of Conservation
and Recreation



Virginia Department
of Wildlife Resources

DHR

THE VIRGINIA DEPARTMENT
OF HISTORIC RESOURCES



Virginia Marine Resources Commission

Sister Agencies

Virginia Department of Health (VDH)

Virginia Department of Energy
(Virginia Energy)

Virginia Department of Forestry
(VDF)

Virginia Department of Agriculture
and Consumer Services (VDACS)

DEQ

Welcome - Who We Are

DEQ includes over 800 professionals who apply science & law to enhance Virginia's environment

Air Quality &
Renewable
Energy

Water
Planning &
Permitting

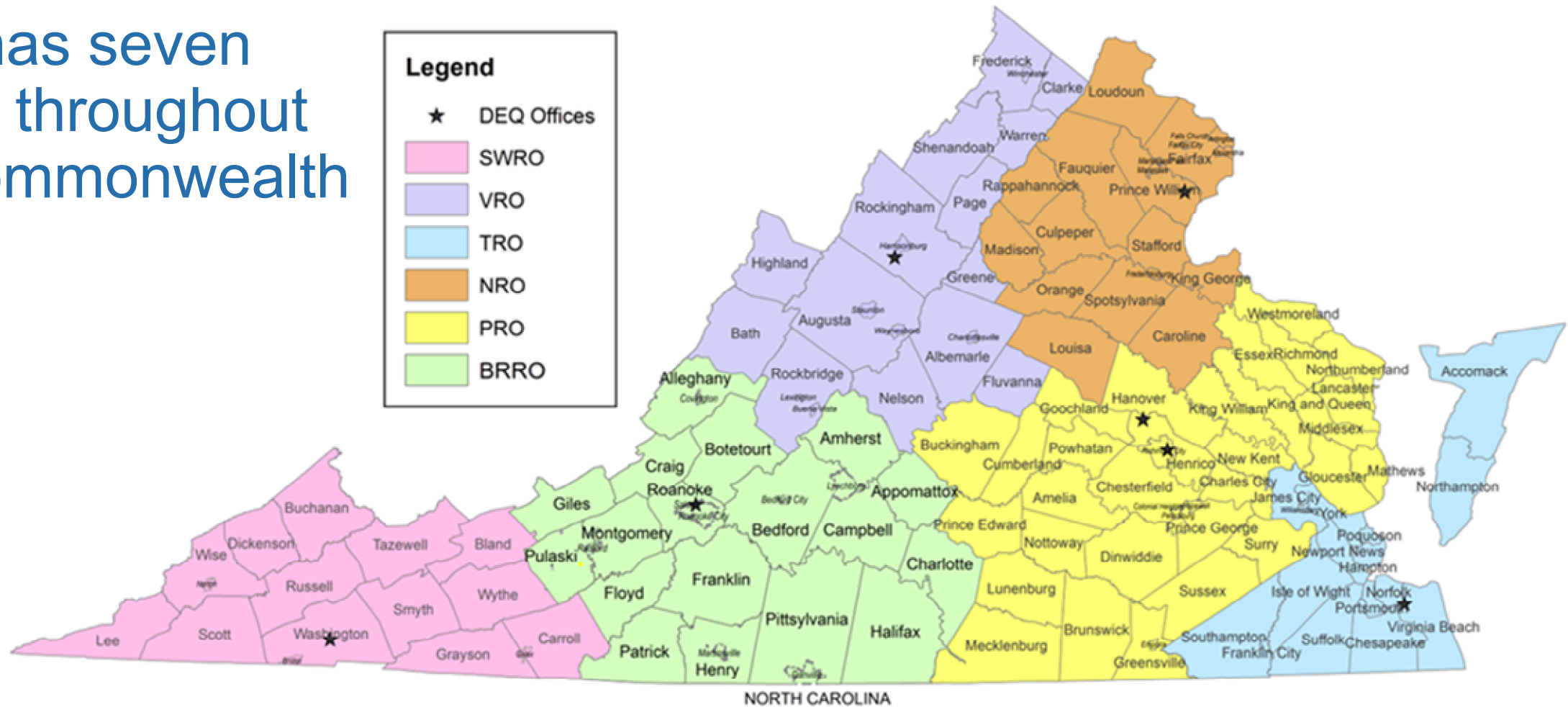
Land
Protection &
Revitalization

Cross-Media
Programs



Office Locations:

DEQ has seven offices throughout the Commonwealth





Our Mission:

DEQ's Mission is to protect and enhance the environment of Virginia in order to promote the health and well-being of the Commonwealth's citizens, residents, and visitors in accordance with applicable laws and regulations.

Our Vision:

DEQ's Vision is that all Virginians enjoy cleaner water, better air quality and the productive reuse of land that was once contaminated.

DEQ's Mission & Vision in Action

OneDEQ

- Building regional collaboration
- Ensuring consistent agency communication

VPT & PEEP

- State: Virginia Transparency Platform
- DEQ: Permitting Enhancement & Evaluation Platform

myDEQ Portal

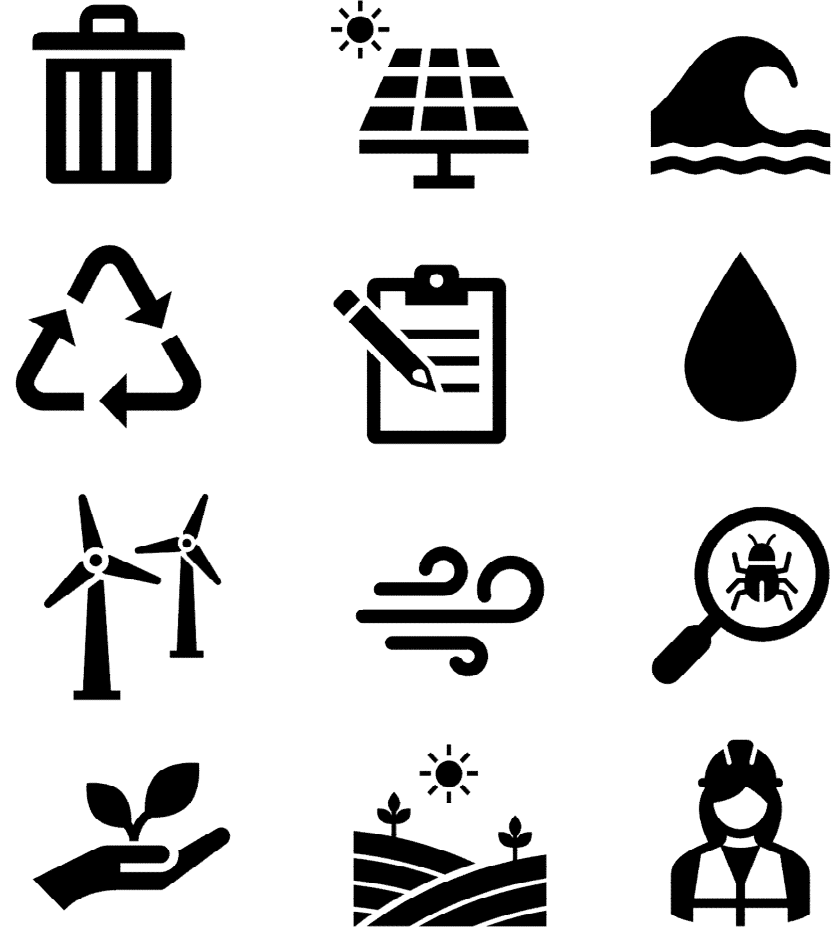
- View application status
- Report pollution & search for pollution reports
- Access enforcement records

Questions?

Poll Question #2:

So, now that you know about
DEQ's mission and vision...

What kinds of
programs do you
think DEQ has?



[Please type your answer(s) into the Chat Box.]

What We Do:



DEQ Structure – Media and Cross-Media Divisions



Air



Water



Land

**Pollution Response, Policy, Coastal Zone Management, Enforcement,
Environmental Impact Review, Community Engagement, Funding**

Permits



Air

Minor New Source Review Permits
State Major Permits
General Permits
Major New Source Review Permits
New & Reconstructed Major Sources of
Hazardous Air Pollutants (Article 7)
Federal Operating Permits (Title V)
State Operating Permits



Water

Land Application – Virginia Pollution
Abatement (VPA)
Municipal Separate Storm Sewer
System (MS4) Permit – Stormwater
Stormwater – Construction & Industrial
Water Withdrawal
Wetlands & Streams – Virginia Water
Protection (VWP)
Surface Waters – Virginia Pollutant
Discharge Elimination System (VPDES)



Land

Hazardous Waste Facility Permits
Solid Waste Facility Permits
Medical Waste Facility Permits

***Note: A facility may need to obtain
multiple permits to operate!***

Compliance and Monitoring

On-site
monitoring:

Inspections

Sample
collection

Off-site
monitoring

Review
reports

Data
collection



Air & Renewable Energy

Air Quality Planning

Air Assessments

Air Monitoring

Vehicle Emissions (Air Check)

Renewable Energy

Air Quality Monitoring & Assessment

Air Quality & Forecast

Greenhouse Gases

Protecting Air Quality

DEQ assessments and permits

- Limiting air emissions
- Ensuring the air we breathe meets air quality standards

DEQ monitors air quality


- Information collected from dozens of monitoring sites informs plans
- Plans ensure air quality is protected, improved & maintained

DEQ forecasts air quality

- Air Quality Index (AQI)
- Subscribers receive a daily Air Quality Forecast & Health Alerts by email



Air Quality Planning



Coordinating to
ensure air
quality improves

- Air quality and transportation planning activities
- Air permit emissions and fees
- Technical support and analyses to ensure plans are attainable

State
Implementation
Plan

- Based on DEQ's air quality monitoring data
- Attainment Areas & Nonattainment Areas



Questions?

Water

Water Quality

Water Quantity

Stormwater

Chesapeake Bay

Wastewater

Land Application and Beneficial Reuse

Clean Water Financing

Wetlands and Streams

Water Quality & Permitting

DEQ works to protect water quality

DEQ issues permits to:

- Limit discharges to Virginia's waters, and
- Minimize impacts to wetlands and water resources

Water quality includes managing Stormwater Runoff to prevent:

- Erosion and flooding
- Contaminants from entering the water.

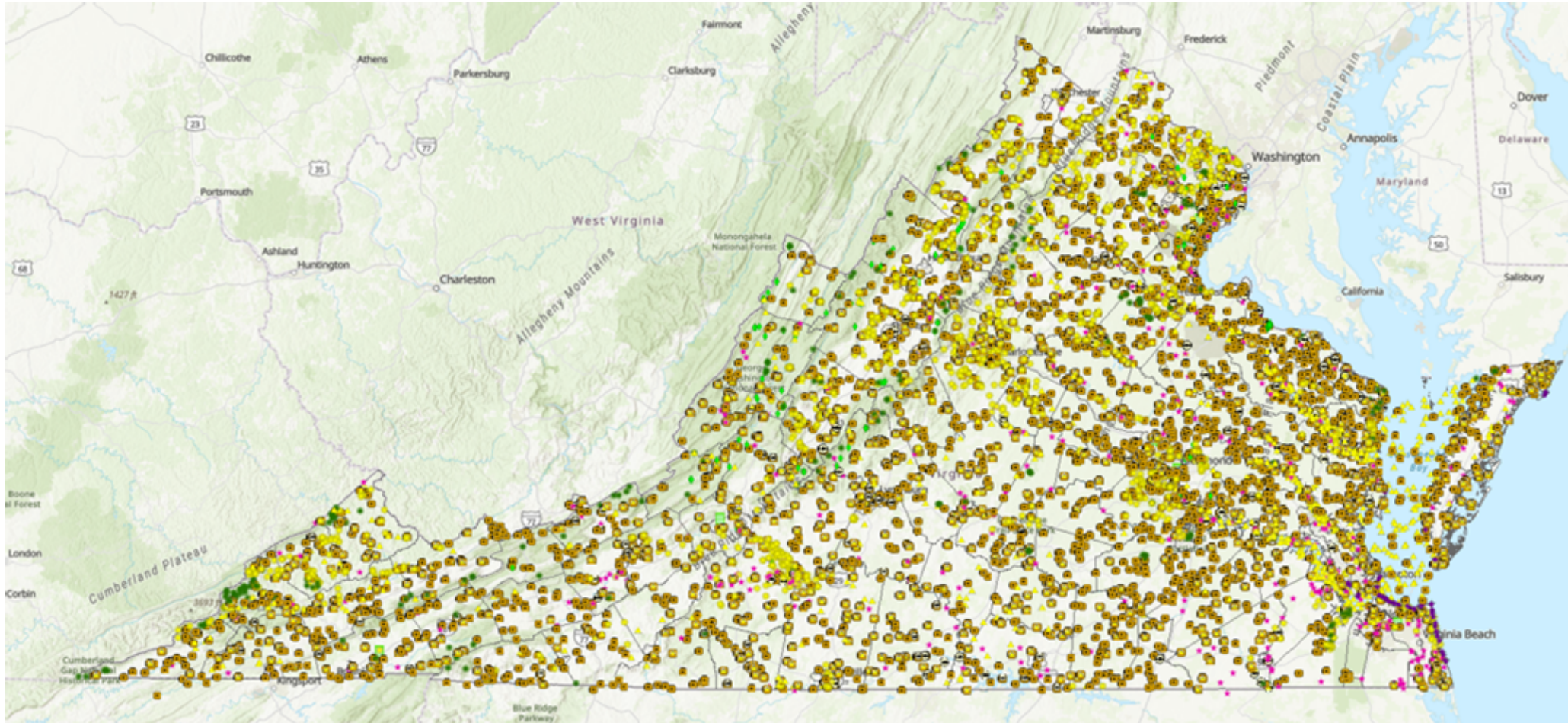
DEQ works with localities and industries to ensure sufficient ground and surface water supplies by:

- Planning
- Permitting
- Drought monitoring



Photo: Virginia DEQ staff collect samples to monitor water quality.

Monitoring Water Quality



In Virginia, there are 2,163 water quality monitoring sites sampled by either citizen monitors or outside-agency groups, according to the draft 2024 Integrated Report.

Water Quantity & Planning

Water Management

Water Supply
Planning & Analysis

Groundwater
Characterization

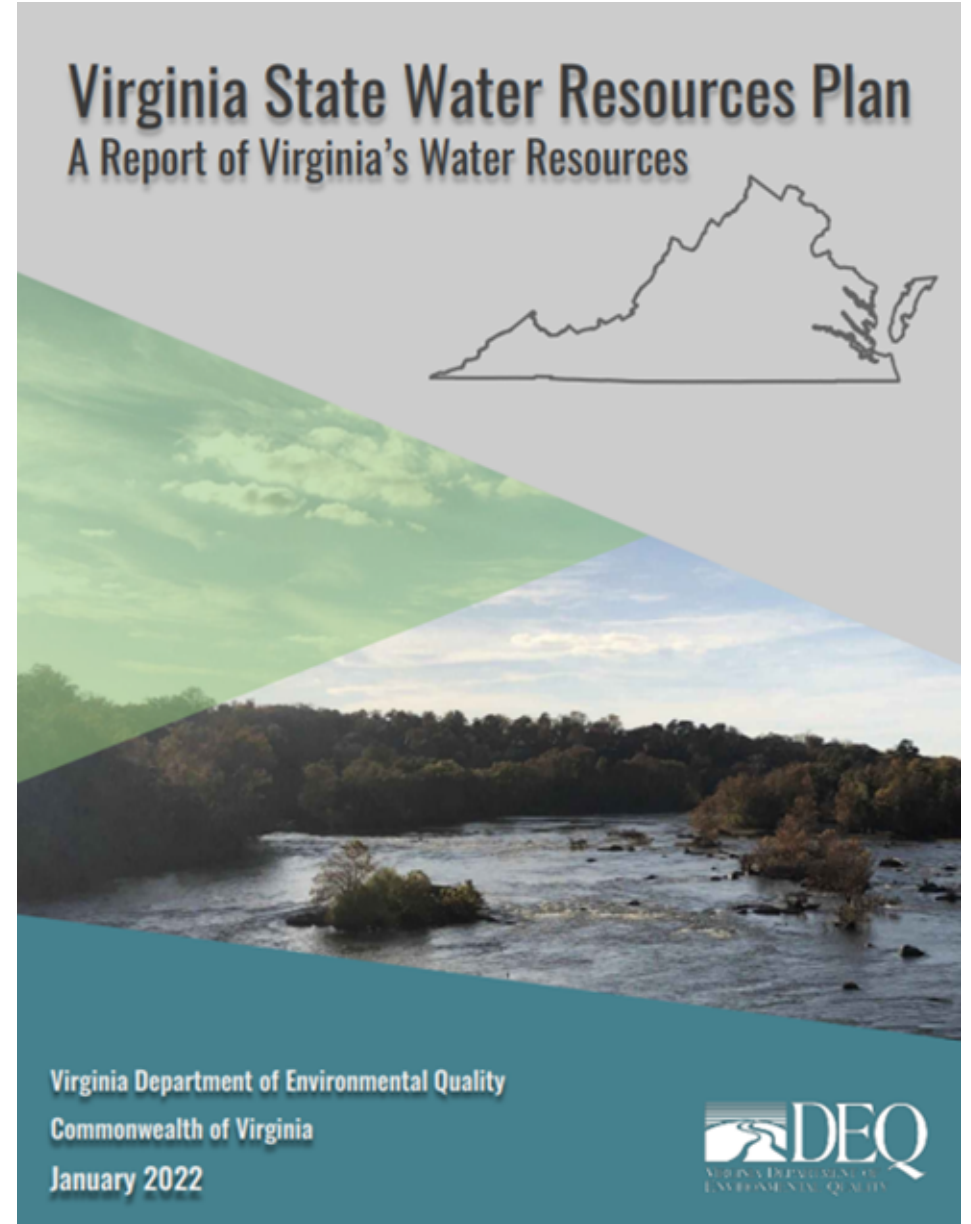
Groundwater
Monitoring

State Water Resources Plan

Local & Regional
Water Supply Plans

Annual Water
Withdrawal
Reporting

Surface &
Groundwater
Permitting



Selected Water Programs



Wastewater



Chesapeake Bay



Clean Water Financing



Wetlands and Streams

A wide river flows through a lush, green landscape. The sun is low on the horizon, casting a warm, golden glow across the scene. The water is dark blue with white rapids and small waves. Several large, dark rocks are scattered in the river. In the background, a multi-arched bridge spans the river. The sky is a mix of orange and blue. The overall mood is peaceful and natural.

Questions?

Land Protection & Revitalization

Recycling

Land Remediation

Litter Prevention

Petroleum Tanks

Solid and Hazardous Waste

Protecting Land Quality

DEQ protects and revitalizes Virginia's land with oversight and assistance for cleanups and redevelopment

This is achieved through the remediation of contaminated sites, brownfield revitalization projects, and cleaning up of fuel tanks

DEQ also issues permits for facilities that treat, store or dispose of waste



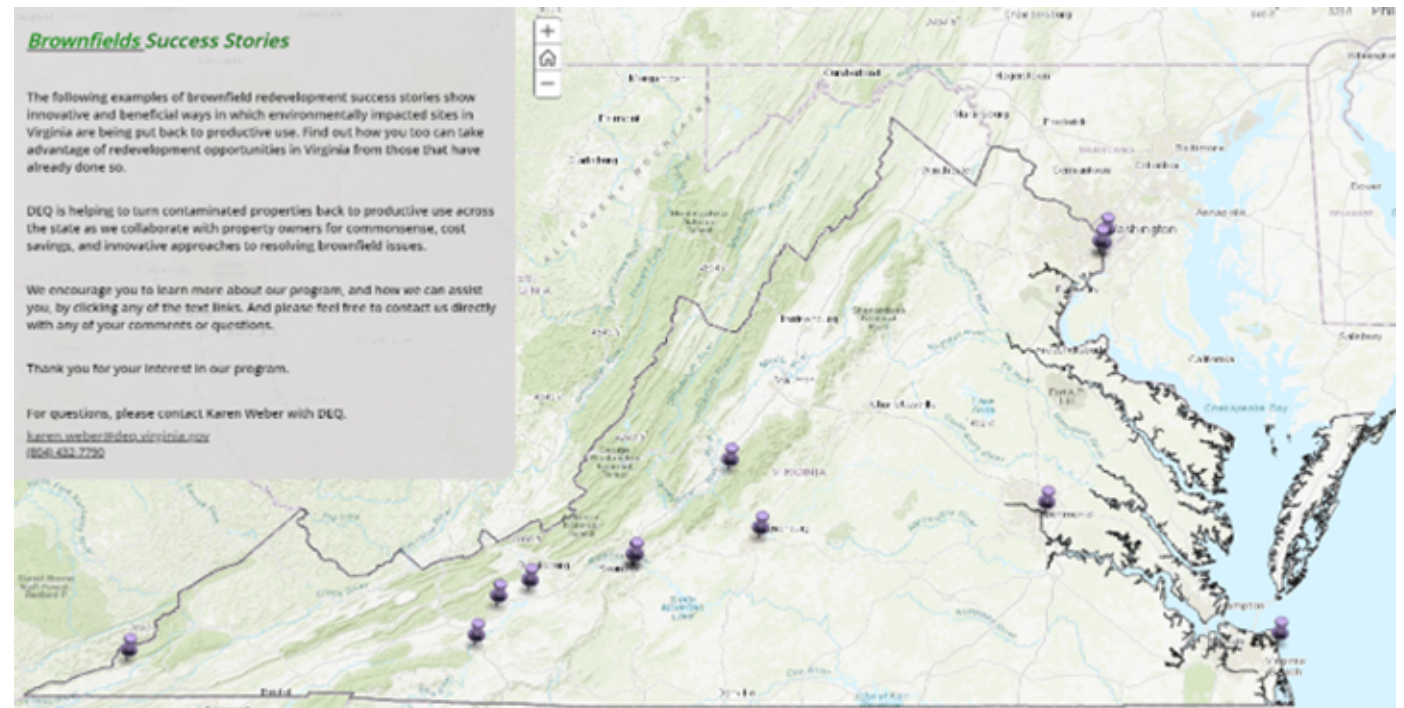
Protecting Land Quality

DEQ has several remediation programs:

Voluntary
Remediation
Program

Brownfields
Program

Other programs
with Federal
partners



A scenic landscape photograph showing a mountain range. In the foreground, there are various plants and trees with autumn-colored leaves (yellow, orange, and brown). The middle ground features rolling hills covered in dense forest. The background shows more distant mountain peaks under a clear blue sky with a few wispy clouds. The text "Questions?" is centered in the upper half of the image.

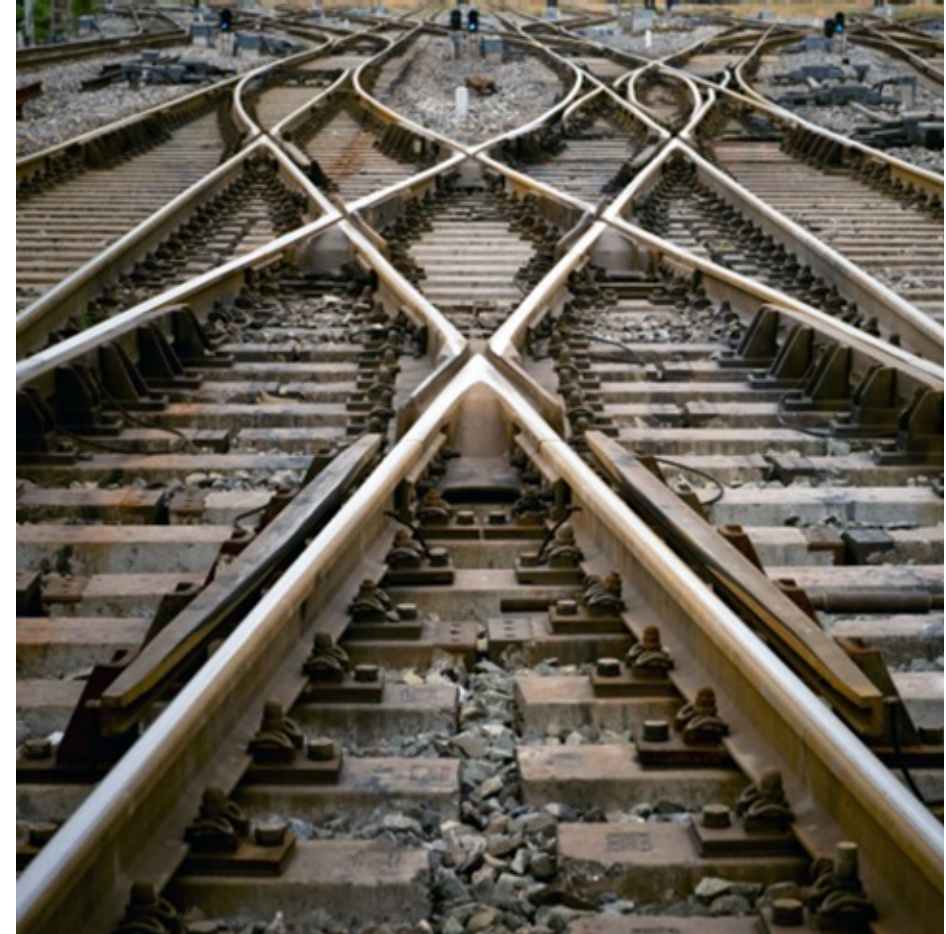
Questions?

Poll Question #3:

We've discussed media-specific (air, land & water) actions and activities DEQ is involved in...

What types of cross-media programs do you think DEQ has?

[Please type your answer(s) into the Chat Box.]



Additional Programs

Policy

Enforcement

Pollution Response

Communications

Environmental Enhancement

Environmental Justice

Process Improvement

Respond to Environmental Incidents - Pollution Response Program (PReP)



Accountability and Enforcement

The goal is to return violators to compliance quickly and efficiently so further environmental harm is avoided.

DEQ ensures compliance with environmental laws, regulations, and permits – and holds violators accountable.

DEQ offers technical assistance and training opportunities to encourage self-correction.

There are multiple opportunities for violators to return to compliance prior to DEQ issuing a penalty.

Corrective actions become more severe with repeated violations.


Virginia DEQ Enforcement Cases


Total Number of Cases

72

Average Days

161





Reset

County
(All) ▼

Region Office Name
(All) ▼

Media Program
(All) ▼

Enforcement Rep
(All) ▼

Legal Name
(All) ▼

Filters & Legends

Enforcement Action Number
(All) ▼

Enforcement Action Type
(All) ▼

Case Status
(Multiple values) ▼

Cash Portion of Civil Charge

\$0.00\$2,150,000.00

Case Info - Basic Details on Enforcement Cases

Enforcement Action Number	Legal Name	Facility Name	Media Program	County	Enforcement Rep	Case Status	Number of Days	Cash Portion of Civil Charge	Final SEP Value
PR09-1105	Sampson Coatings, Inc.	Sampson Coatings	Hazardous Waste	Richmond City	Frank E Lupini	Terminated	336	\$17,500.00	\$0.00
PR09-1109	Courtney Development, Inc.	The Carriages at Crossridge	VWPP	Henrico County	E. Cynthia C Akers	Terminated	329	\$9,555.00	\$0.00
PR09-1110	Griffith, Harvey P. Sr.	Griffith, Harvey P. Sr.	UST	Goochland County	Jennifer X Hoeffner	Case Closed (Other)	209	\$0.00	\$0.00

Policy

Citizen Board Coordination

- State Air Control Board
- State Water Control Board
- Virginia Waste Management Board

Legislative Process

Freedom of Information Act (FOIA)



Enhancing the Environment

Pollution
Prevention
(P2)

Coastal Zone
Management

Environment
Impact



Engaging with Communities

DEQ reaches out to the community to:

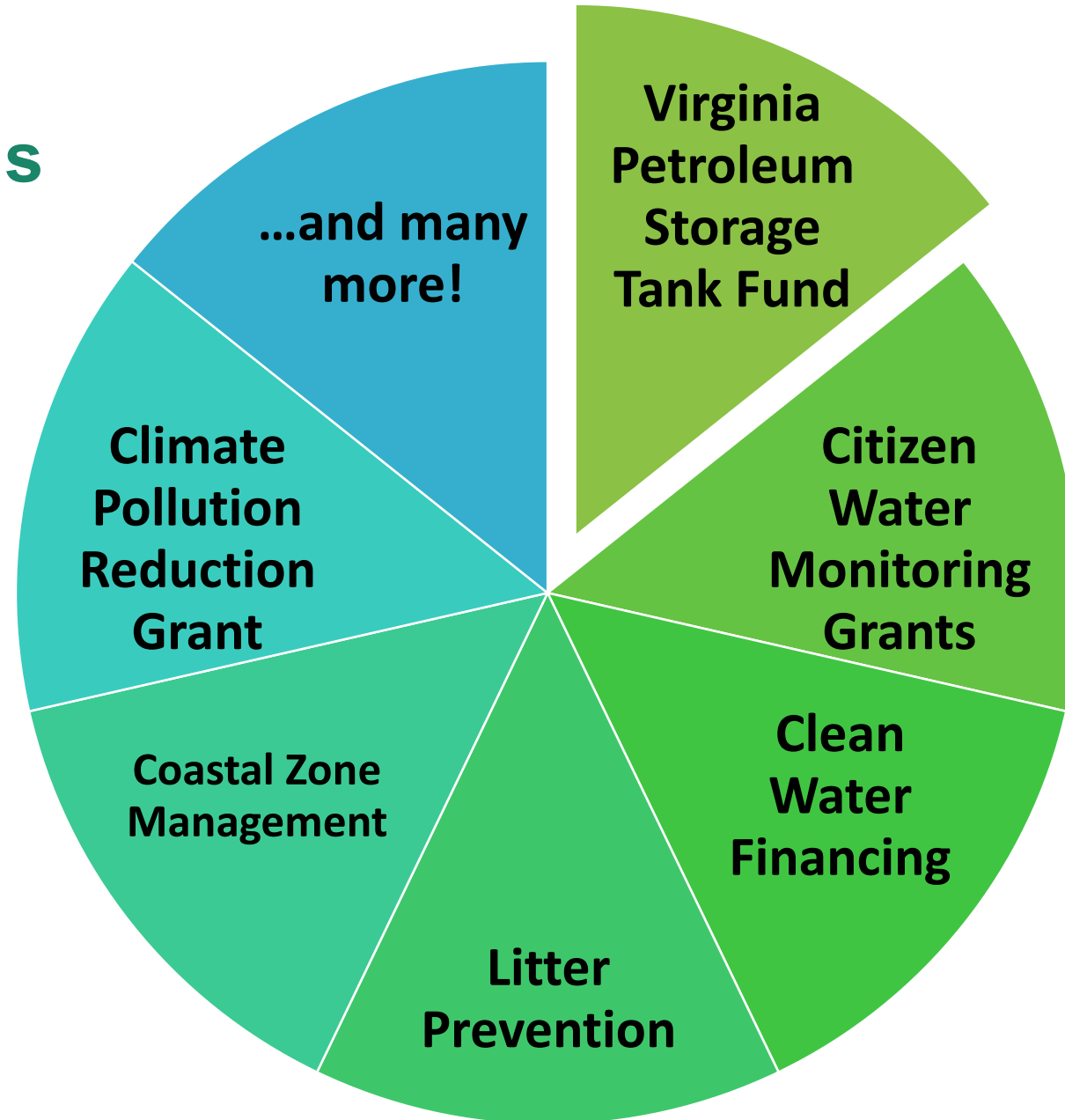
Increase understanding of DEQ's work.

Identify and share information about important issues for Virginians.

Encourage public participation in regulations and permits.



Funding – Grants & Loans



Questions?

Get Involved

Citizen Science

- Water quality monitoring
- Community-scale air quality monitoring projects

Public Participation

- Permitting & regulations
- Planning for water quality improvements
- CPRG & other programs

Funding

- Litter Prevention
- Recycling Education
- Brownfields

Reporting

- Local pollution incidents

Learning

- Webinar series
- Videos

Connecting to Federal Grants

- Community Change Grants Program (EPA)
- Thriving Communities Grantmaking Program (EPA)

Protecting Virginia's AIRWATERLAND



COLLEGE MAJORS OF DEQ TEAM

AGRICULTURAL SCIENCES • ATMOSPHERIC SCIENCES • BIOCHEMISTRY • BIOLOGY
ECOLOGY • ENGINEERING • ENVIRONMENTAL SCIENCES • FINANCE • JOURNALISM
GEOLOGY • GRAPHIC DESIGN • HYDROLOGY • HUMAN RESOURCES • INFORMATION
TECHNOLOGY • MARINE BIOLOGY • METEOROLOGY • POLITICAL SCIENCE

Join the Team

We come from many backgrounds, with majors such as biology, geology, engineering, political science, environmental sciences, law, and more.

Internship and hourly positions are available.

Know how to complete the state application form! In your application, highlight skills/experiences listed in the job post.

www.jobs.virginia.gov

Visit Us Online

Learn more about DEQ at
www.DEQ.Virginia.gov

- FAQs & Fact Sheets
- Public Comment opportunities
- Environmental data & reports
- Information on environmental laws & regulations
- Report pollution incidents



Sign up for DEQ News!

Objectives

Locate the DEQ regional office responsible for the region where you live

DEQ's mission & vision

Identify types of air, water & land permits

Describe DEQ activities that protect air quality, water quality & the land

Discuss the goal of DEQ's compliance and enforcement functions

Name several ways that you could get involved with DEQ

Upcoming Webinars

Tuesday,
October 22

- DEQ Tools & Resources

Tuesday,
December 10

- Pollution Prevention

Survey – What are you interested in learning from DEQ?

- Link posted in Chat
- QR code on the right

DEQ Education Series Survey





Questions?

Tell Us How We Did!

DEQ 101 - Webinar Evaluation





Thank you!