

Solid Waste Permit and Compliance Update 2023 SWANA Regulatory Training

Jenny Poland, Solid Waste Permit Coordinator Priscilla Rohrer, Solid Waste Compliance Coordinator Virginia Department of Environmental Quality October 19, 2023

Outline

- DEQ Solid Waste Program Staff
- New Regulated Medical Waste Management Regulations
- 2023 Regulatory Amendments Adopted by Waste Board
- Solid Waste Management Regulations (Coal Ash Landfill Permitting in Planning District 8)
- Solid Waste Management Regulations (Amendment 9)
- Industrial Landfill Alternate Weekly Cover (Amendment 9)
- Disclosure Statement Guidance Coming Soon
- Permitting Enhancement and Evaluation Platform (PEEP)



Central Office Land Division



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Director, Office of Financial
Responsibility & Waste Programs



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Director, Division of Land
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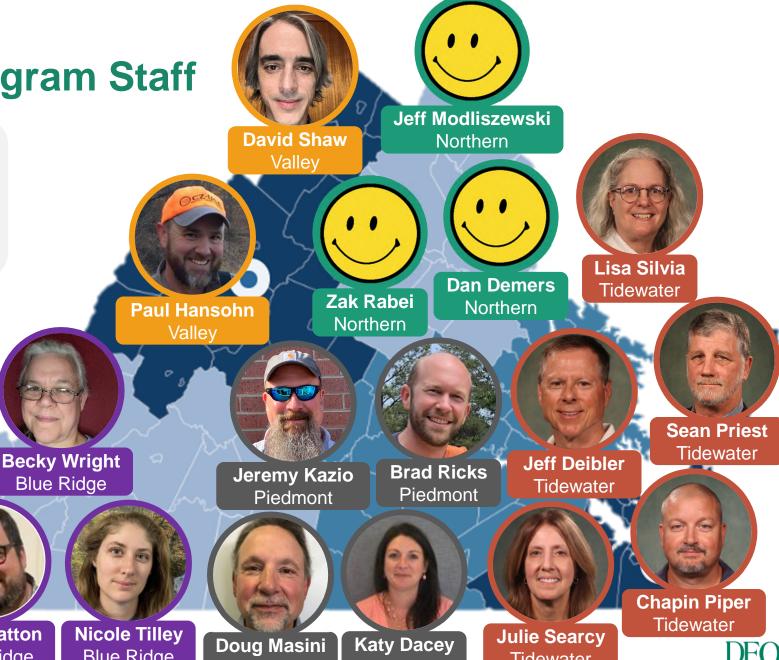
Chris Keehan Piedmont



Jeffery Greer
Tidewater



Regional Office Solid Waste Compliance Staff



Allen Patton Blue Ridge

Nicole Tilley Blue Ridge

Piedmont

Piedmont

Tidewater



New Regulated Medical Waste Management Regulations

- Amendment 3 effective March 15, 2023
- Chapter 120 replaced by Chapter 121
- Updated standards for medical waste generators, transporters, transfer stations, & treatment facilities





HOSPITALS & DOCTOR'S OFFICES



NURSING HOMES



PHARMACIES



DENTAL OFFICES



Types of Regulated Medical Waste













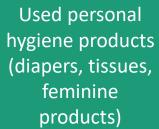
And ANY solid waste suspected by the health care professional in charge of being capable of producing infectious disease in humans



Exemptions(Not Regulated Medical Waste)



Used personal feminine products)







Teeth, sweat, tears, nail clippings, breast milk, urine, and saliva when **NOT** contaminated with blood













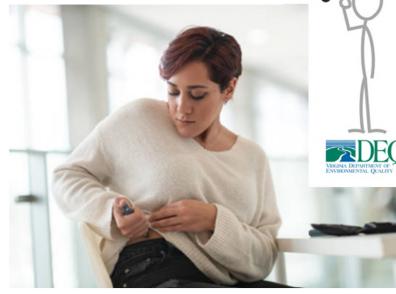
Exemptions

(Not Regulated Medical Waste)

Household Sharps (self-administered needles, insulin pens, auto injectors)







Flyer available on DEQ website

MANAGEMENT OF HOUSEHOLD SHARPS

What are household sharps?

Household sharps are needles, syringes with attached needles, lancets, auto injectors (insulin pens), and other items with a sharp edge that are generated at home through self-care, rather than under the care of a home healthcare professional or at a healthcare facility.

Household sharps may be disposed in the regular trash following the STEPS TO SAFE DISPOSAL below.

Mail-back programs are also available, though a disposal fee or vendor requirements may apply.

Check with your local healthcare provider, pharmacy, or locality for more information as there may be other options for safe disposal in your community.

STEPS TO SAFE DISPOSAL

RIGID/HEAVY-DUTY PLASTIC CONTAINER

Place sharps in an FDA-cleared sharps container specifically designed for HOME USE

Use an empty, rigid or heavy-duty, opaque, plastic container such as detergent or bleach bottles.

DO NOT place household sharps in glass containers, plastic soda bottles, milk jugs, or aluminum cans.

SEAL TO PREVENT LEAKAGE

Seal with a tight-fitting lid or screw cap. Wrap heavy-duty tape around the lid of homemade sharps containers.

LABEL FOR HOME USE

Use permanent ink to print in large, legible text: "HOUSEHOLD SHARPS—DO NOT RECYCLE" OR "HOME GENERATED SHARPS"

DISPOSE WITH THE REGULAR TRASH

Place sealed, labeled sharps containers in the regular trash.

DO NOT

- · Recycle sharps or sharps containers
- Place loose sharps directly into trash bags
- · Flush sharps down the toilet





Packaging & Labeling Storage

Reusable Container Cleaning



General Handling Standards for Management of All Regulated Medical Waste

Spill Kits & Cleanup

Record-Keeping

Treatment & Disposal

Transport

All RMW must be treated by a permitted RMW treatment facility prior to disposal





Disposal of Treated Medical Waste

- Treated medical waste = solid waste
- Not required to be shredded
- Not required to notify landfill before each load
- Treatment Facilities must provide Treated
 Waste Disposal Plans to the receiving solid waste facility (landfill, transfer station)
- Plans specify packaging, labeling and transport
- Landfill disposal procedures are site-specific and based on solid waste permit (or Operations Manual)





2023 Regulatory Amendments Adopted by Waste Board

Regulated Medical Waste Citation Updates to Multiple Regulations (Financial Assurance, Permit Fees, Planning & Recycling, & Barge)

Effective November 22, 2023

Effective date TBD

Hazardous Waste Management Regulations (Annual Update)

Solid Waste Management Regulations (Coal Ash Landfill Permitting in Planning District 8)

Effective November 8, 2023



Solid Waste Management Regulations (Coal Ash Landfill Permitting in Planning District 8)

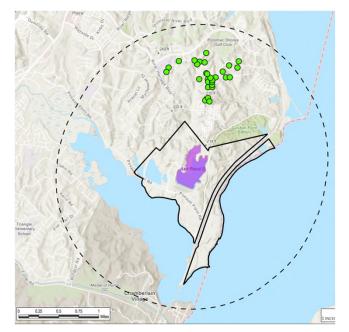
Senate Bill 1050 (now § 10.1-1402.05)

Permit requirements for a coal combustion residual landfill

Public water connections within 1 mile of facility boundary



Dominion Possum Point Power Station Coal Ash Surface Impoundments (2022)









Solid Waste Management Regulations (Amendment 9)

NOIRA



- Executive review/approval
- Public comment on intended action
- Regulatory Advisory Panel (stakeholder) meetings
- Proposed text drafted

Proposed Regulation



- Executive review/approval
- Public comment on proposed text
- Comments considered
- Final text drafted

Final Regulation



- Executive review/approval
 - ✓ Attorney General
 - ✓ Dept. of Planning & Budget
 - Cabinet Secretary
 - Office of Regulatory Mgmt
 - o Governor's Office
- 30-day adoption period

Full Standard Regulatory Process (3 Stages)



Industrial Landfill Alternate Weekly Cover (Amd 9)

Industrial Facilities may:

- Comply with the default 6-inch weekly cover soil requirement, or
- Submit a written request to DEQ to demonstrate the use of alternate method





Disclosure Statement Guidance



- Online FAQ / DISC Form instructions updated Jan 2023
- DEQ formalizing as official guidance document soon
- Final to be posted on VA Regulatory Town Hall website

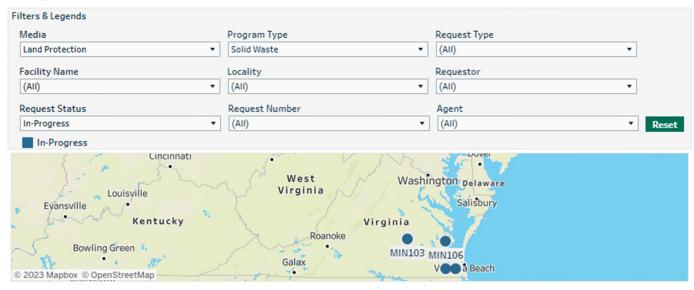
Applicant Type	Required Key Personnel Disclosures:			
Current permit holders & permit applicants who have previously conducted waste operations in VA	 Applicant/permittee itself Applicant's/permittee's managers and decision makers (concerning waste operations in VA) For government agencies, CEO (County Admin, etc.) & contracted facility operators 			
New permit applicants who have never conducted waste operations in VA	 (In addition to the above) Applicant's officers, directors, & partners Individuals & parent corporations holding 5% or more equity or debt Key personnel of parent corporations* 			





Permitting Enhancement and Evaluation Platform (PEEP)

Request Search (i)



Search Results

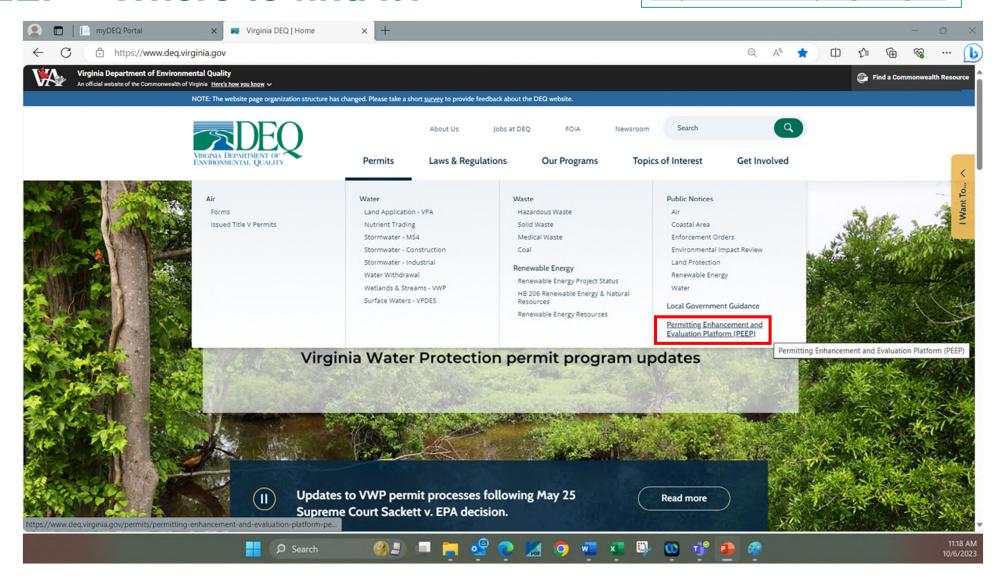
Locality	Facility Name	Requestor	Agent	Request Number	Request Type	
Chesapeake City	SPSA - Chesapeake Transfer	Southeastern Public Service Authority of VA	SCS Engineers Inc	SUB102	Solid Waste Permit-By-Rule New or Modification	View Details
Chesterfield County	Chesterfield County - Northern Area Landfill	Chesterfield County DGS Environmental Division	WSP USA Inc.	MIN103	Solid Waste Minor Modification	View Details
Gloucester County	Gloucester County Sanitary Landfill	Gloucester County	TRC Companies, Inc.	MIN106	Solid Waste Minor Modification	View Details
Suffolk City	SPSA - Regional Landfill	Southeastern Public Service Authority of VA	SCS Engineers	MIN104	Solid Waste Minor Modification	View Details

- DEQ online permit application tracking tool
- Allows applicants, agents, the public and DEQ staff to track and manage permitting process.

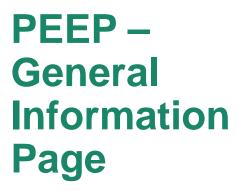


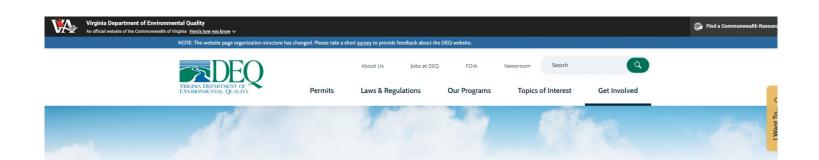
PEEP – Where to find it?

https://www.deq.virginia.gov/

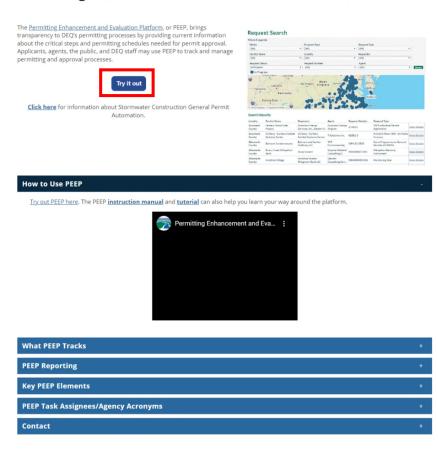








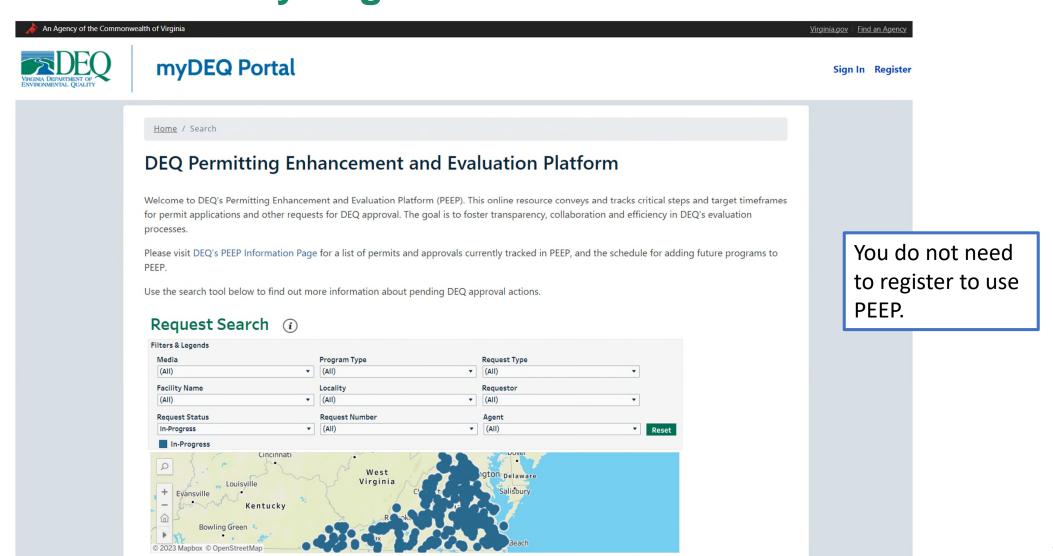
Permitting Enhancement and Evaluation Platform (PEEP)





PEEP – How can you get to it?

https://portal.deq.virginia.gov/peep-search





Programs in PEEP:

- Virginia Water Protection Permit (VWPP) Program December 1, 2022
- Wetland and Stream Channel Mitigation Banking March 13, 2023
- Air Permitting June 2, 2023
- Surface Water Withdrawal June 12, 2023
- Nutrient Banking June 23, 2023
- Municipal Separate Storm Sewer System (MS4) Permitting July 3, 2023
- Stormwater and Erosion and Sediment Control Plan Review July 3, 2023
- Virginia Pollution Abatement (VPA) Permitting July 3, 2023
- Virginia Pollutant Discharge Elimination System (VPDES) July 3, 2023
- Renewable Energy Permitting July 21, 2023
- Land Protection / Waste Permitting September 11, 2023
- Groundwater Withdrawal Permitting February 1, 2024



Solid Waste Permitting Activities Tracked in PEEP:

- Part A Authorizations
- Solid Waste Part B New or Major Modifications
- Solid Waste Minor Modification
- Solid Waste New PBR and PBR Modification

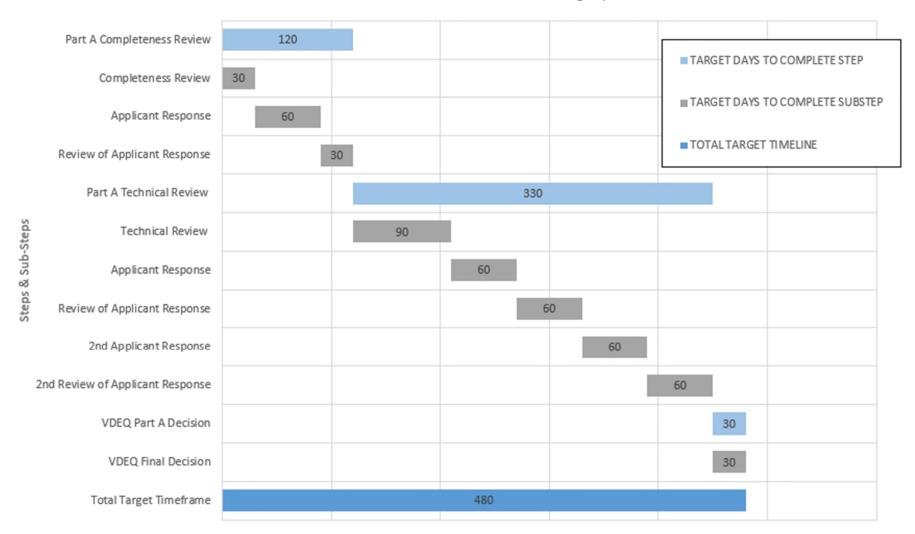


Photo by Laura Munski on Pinterest



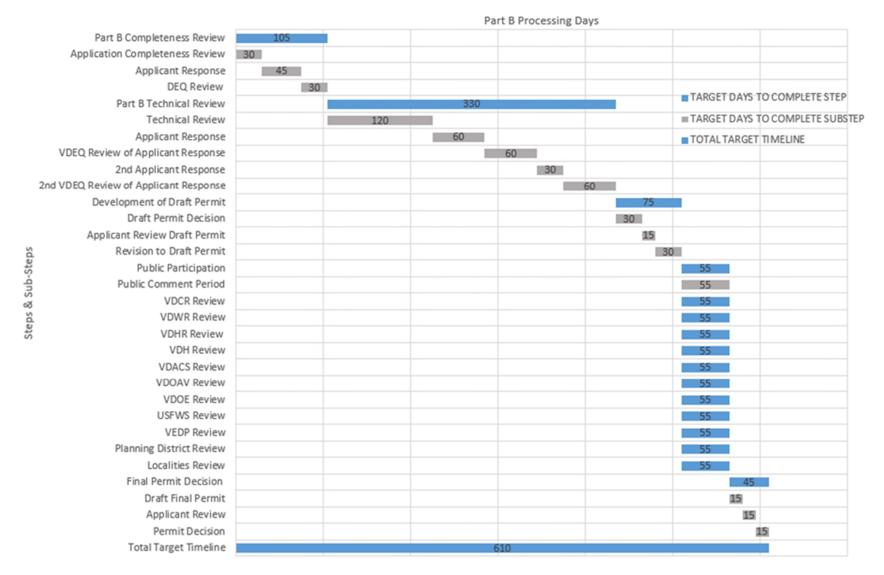
Part A Authorization (Target Schedule:480 days)





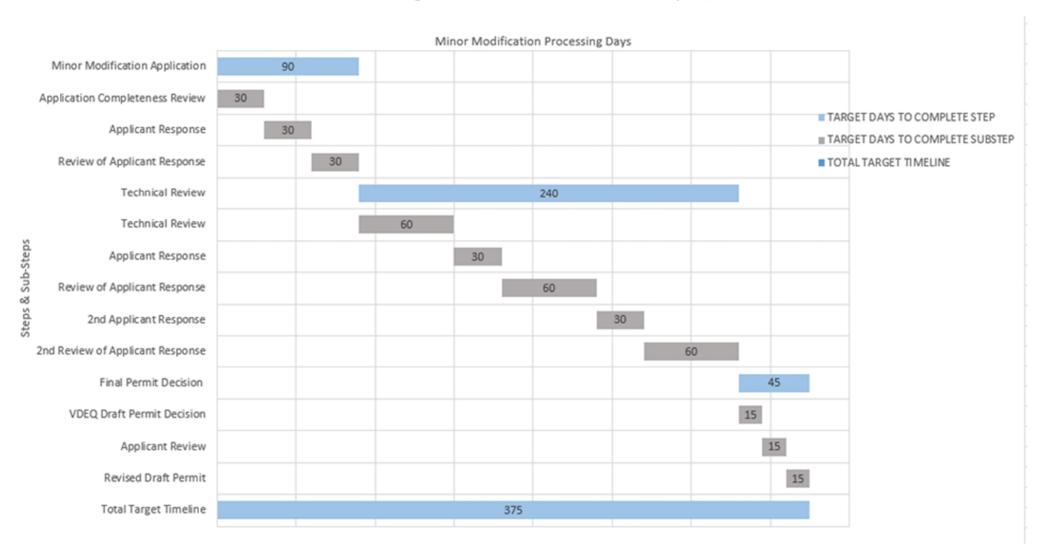


Part B New and Major Modification (Target Schedule: 610 days)



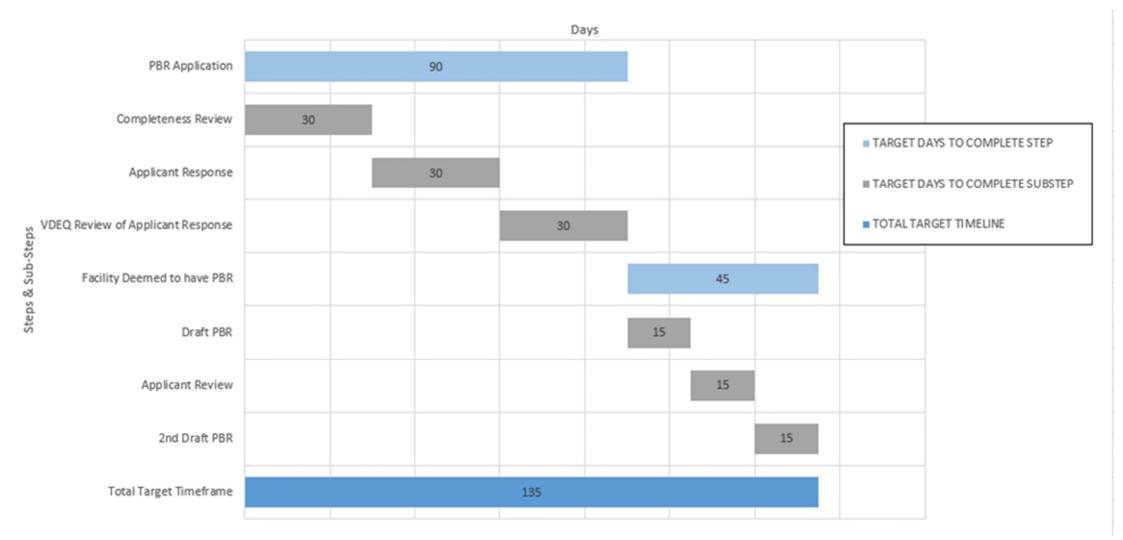


Minor Modification (Target Schedule: 375 days)

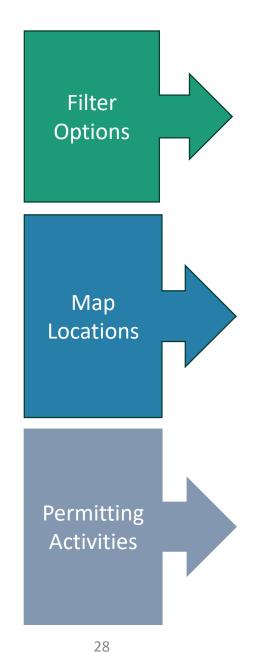


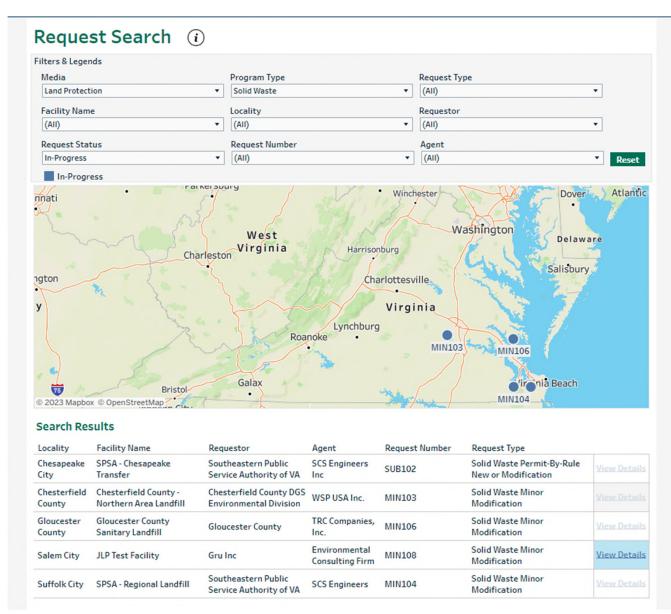


PBR New and Modification (Target Schedule: 135 days)

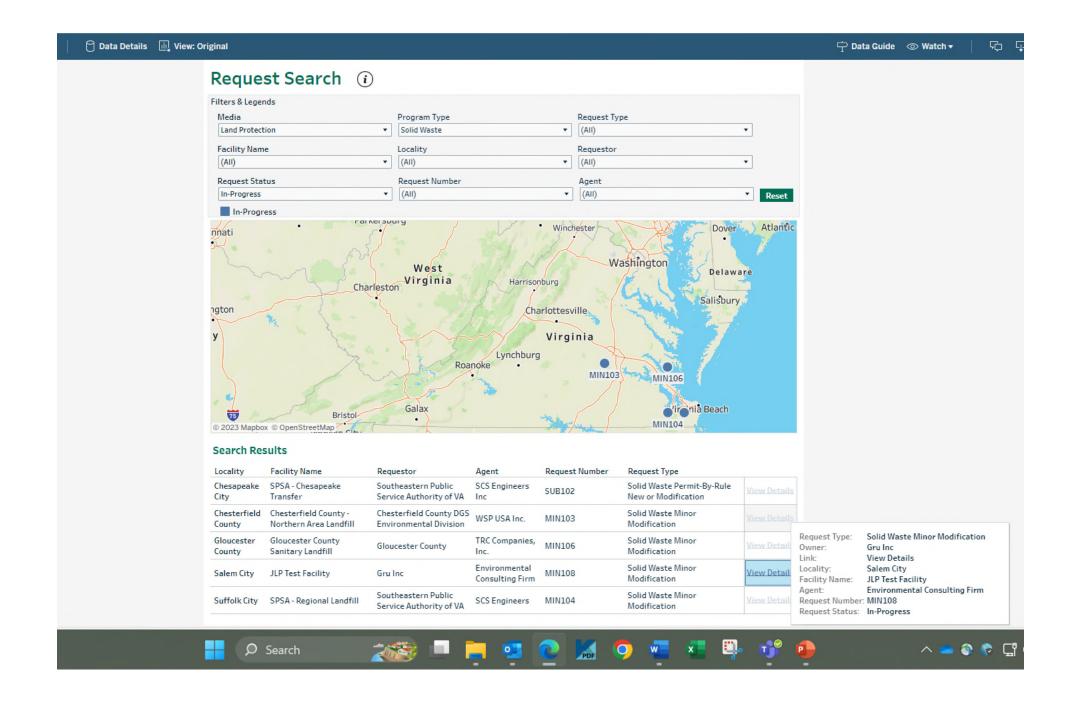






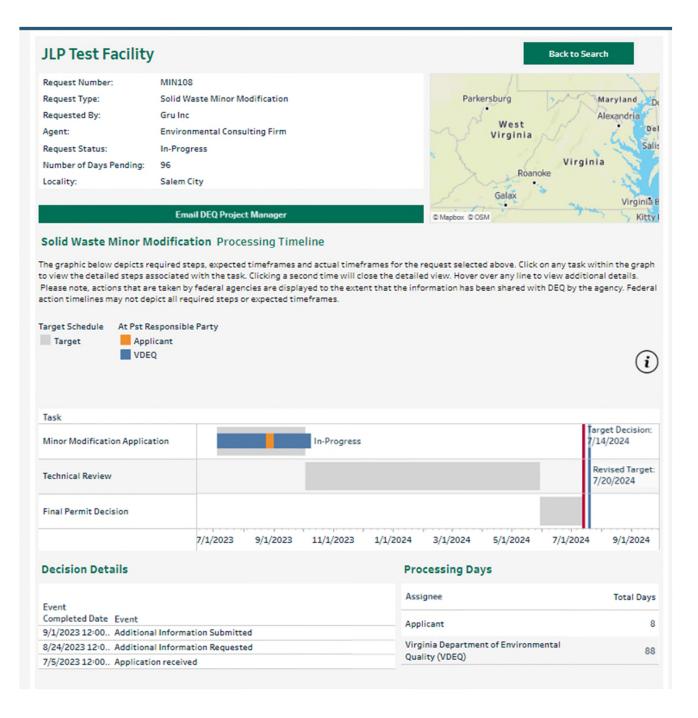


Reset Page



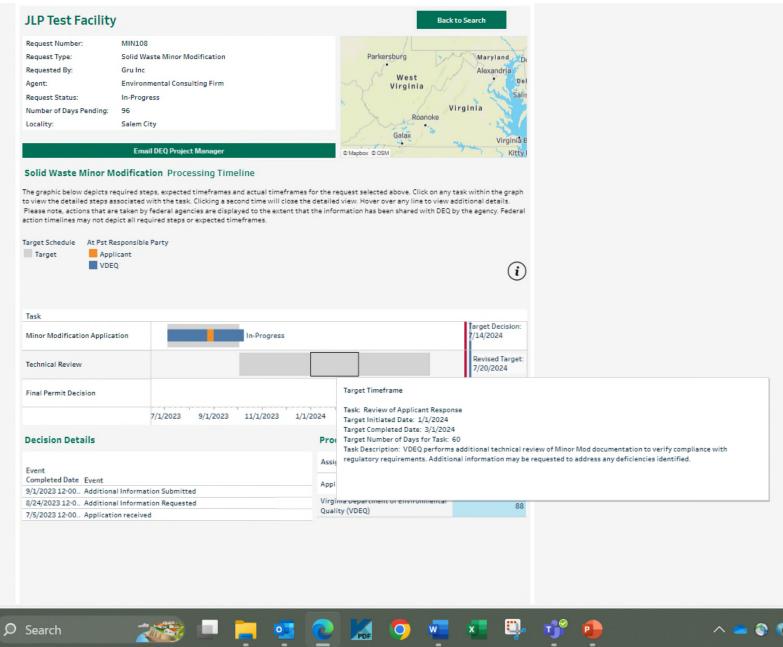


PEEP – View Details



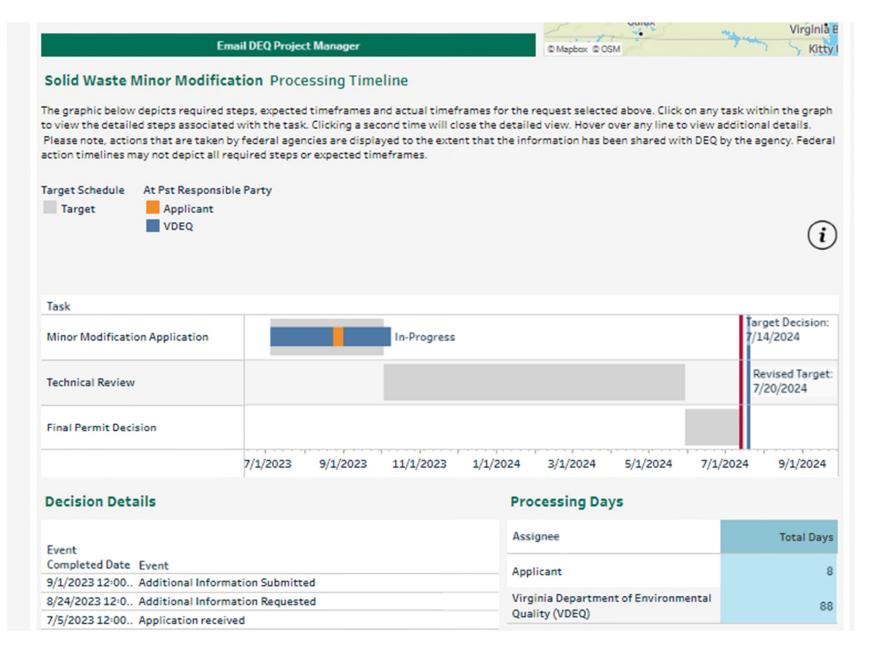


PEEP – View Details Cont.





PEEP – View Details Cont.





DEQ Performance Report

- Performance Summary
- DEQ Performance Heat Map
- DEQ Target Trends





PEEP – Notifications

- Applicants the day a subtask is due, and then at 14, 28, and 42 days if a subtask is overdue (after 42 days goes to monthly)
- Agents 5 days prior to subtask being due, the date due, then 14, 28, and 42 days if a subtask is overdue (after 42 days goes to monthly)
- Task Assignees 6 am each Tuesday







About PEEP

- A PEEP Request Number will be provided on correspondence for solid waste projects that are being tracked in PEEP.
- PEEP is updated daily
- If an extension is granted, notifications continue per the current target schedule.

Questions







Extra Slides



Permitted RMW Transfer Stations & Treatment Facilities

RMW Transfer Stations

Permit	Name	Address	Phone Number
PBR143	Curtis Bay Medical Waste Services	1906 Progress Dr SE Roanoke, VA 24013	(855) 228-1715
PBR517	Stericycle	1506 Bellwood Rd Richmond, VA 23114	(866) 783-6275
PBR606	Daniels Sharpsmart	5772 Charles City Circle Richmond, VA 23231	(888) 952-5580
PBR624	Agape Pet Services	1001 Techpark Place Sandston, VA 23150	(804) 737-8400
PBR634	Curtis Bay Medical Waste Services	3634 Village Ave Norfolk, VA 23502	(855) 228-1715
PBR642	NEIE Medical Waste Services	5731-5733 Charles City Circle Henrico, VA 23231	(804) 932-8412

RMW Treatment Facilities - Non-Captive (receives and treats waste generated from offsite)

Perm	nit N	ame	Address	Phone Number
PBR6	17 C		1945 Puddledock Rd Petersburg, VA 23803	(855) 228-1715

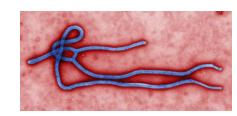
RMW Treatment Facilities - Captive (treats waste generated onsite)

Permit	Name	Address	Phone Number
PBR157	Old Dominion University	Hampton Blvd Norfolk, VA 23529	(757) 683-4495
PBR159	University of Mary Washington	1301 College Ave Fredericksburg, VA 22401	(540) 654-1182
PBR167	University of Virginia Health System	1215 Lee Street Charlottesville, 22908	(434) 924-0000
PBR168	George Mason University – Prince William Campus	10900 University Blvd Manassas, VA 20110	(703) 993-8448
PBR176	Virginia Department of Agriculture and Consumer Services Lab	272 Academy Hill Rd Warrenton, 22186	(540) 316-6543
PBR505	Microbac Laboratories, Inc.	105 Carpenter Dr Sterling, VA 20164	(703) 925-0100
PBR552	VCU Health	401 N 12th St Richmond, VA 23298	(804) 828-9000
PBR576	George Mason University – Fairfax Campus	4400 University Dr Fairfax, VA 22030	(703) 993-1000
PBR643	American Type Culture Collection	10801 University Boulevard Manassas, VA 20110	(703) 365-2700



Types of Regulated Medical Waste

- Category A Waste waste contaminated with a Category A infectious substance
- Category A infectious substance –
 capable of causing permanent disability
 or life-threatening or fatal disease



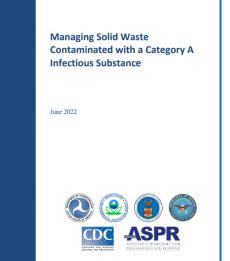
Ebola Virus, CDC

- Requires more stringent management than typical regulated medical waste
- Federal Category A Waste Management Policy (2022) incorporated into regulations by reference



Regulated Medical Waste

> Category A Waste









*Pharmaceuticals listed as potential unauthorized waste (characterize as to whether radioactive, hazardous, infectious, etc.)





Reusable
medical devices
returned to the
manufacturer
for reprocessing
per FDA



Bed linen,
instruments, and
medical care
equipment
cleaned & reused
for their original
purpose





expired, non-contaminated medical equipment, devices, and sharps

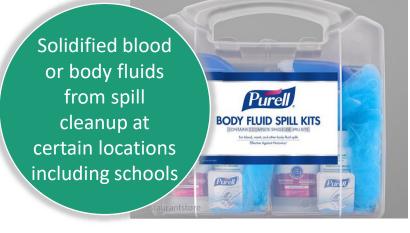
PrecisionGlide Needle Aiguille BD PrecisionGlide

Sharps

22064 - 5-306 lbr 5066 lbr 5066



unless a health care professional has determined the item to be capable of producing infectious disease



Used personal hygiene products (diapers, tissues, feminine products)







When emptied and not capable of releasing blood or infectious materials









Also includes:

- plastic fluid containers
- enteral feeding containers and tubing
- urine bottles

suction canisters

suction tubing







colostomy bags and ileostomy bags

urostomy bags

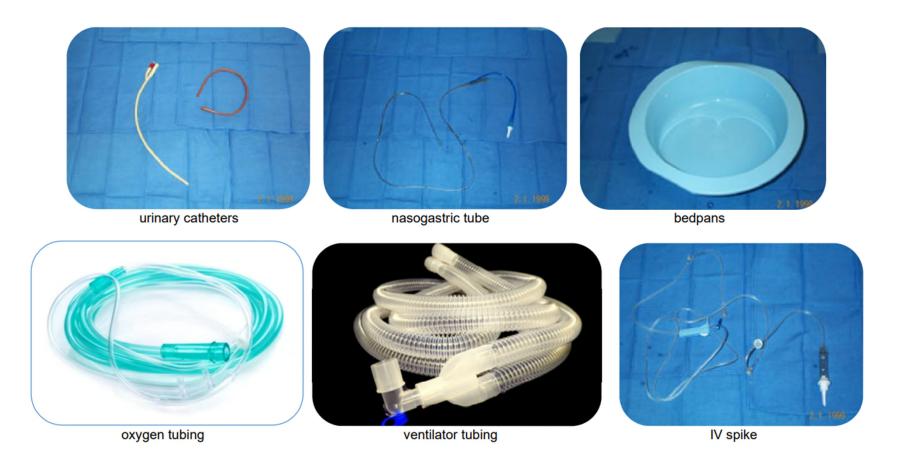
hemovac

urine specimen cup

An item may be subject to the Bloodborne Pathogen Standard (and considered regulated medical waste) if it could potentially release liquid or semi-liquid blood or potentially infectious materials, or if it could potentially release caked dried blood or potentially infectious materials.



When emptied and not capable of releasing blood or infectious materials



Also includes:

- suction catheters
- plastic cannula
- oxygen cannula
- enema bags and tubing
- enema bottles
- thermometer probe covers
- irrigating feeding syringes
- urinals

An item may be subject to the Bloodborne Pathogen Standard (and considered regulated medical waste) if it could potentially release liquid or semi-liquid blood or potentially infectious materials, or if it could potentially release caked dried blood or potentially infectious materials.



Amendment: Hazardous Waste Annual Update 2023

- Conforming Changes to Canada-Specific Hazardous Waste Import-Export Recovery and Disposal Operation Codes
- Final Exclusion for Identifying and Listing Hazardous Waste
- EPA Method 23—Determination of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans From Stationary Sources



Conforming Changes to Canada-Specific Hazardous Waste Import-Export Recovery and Disposal Operation Codes

- Reflects changes to Canada's import-export code numbers and descriptions effective Oct. 31, 2021
- Affects export and import notices and subsequent movement documents for hazardous waste exchanged between Canada and the United States





Final Exclusion for Identifying and Listing Hazardous Waste

- Response to petition from Emerald Kalama Chemical, LLC, in Kalama, Washington
- Requires management in a Subtitle D landfill



EPA Method 23—Determination of Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans From Stationary Sources

- Editorial and technical revisions to the EPA's Method 23
- Expands the applicability of Method 23 to include procedures for sampling and analyzing PAH and PCB
- Adds Method 23 as an alternative to SW-846 Method 0023A.



Amendment 9 – Major Areas of Revision

Proposed changes only (still under Executive Review)

Landfill Siting & Setbacks

Landfill Operations

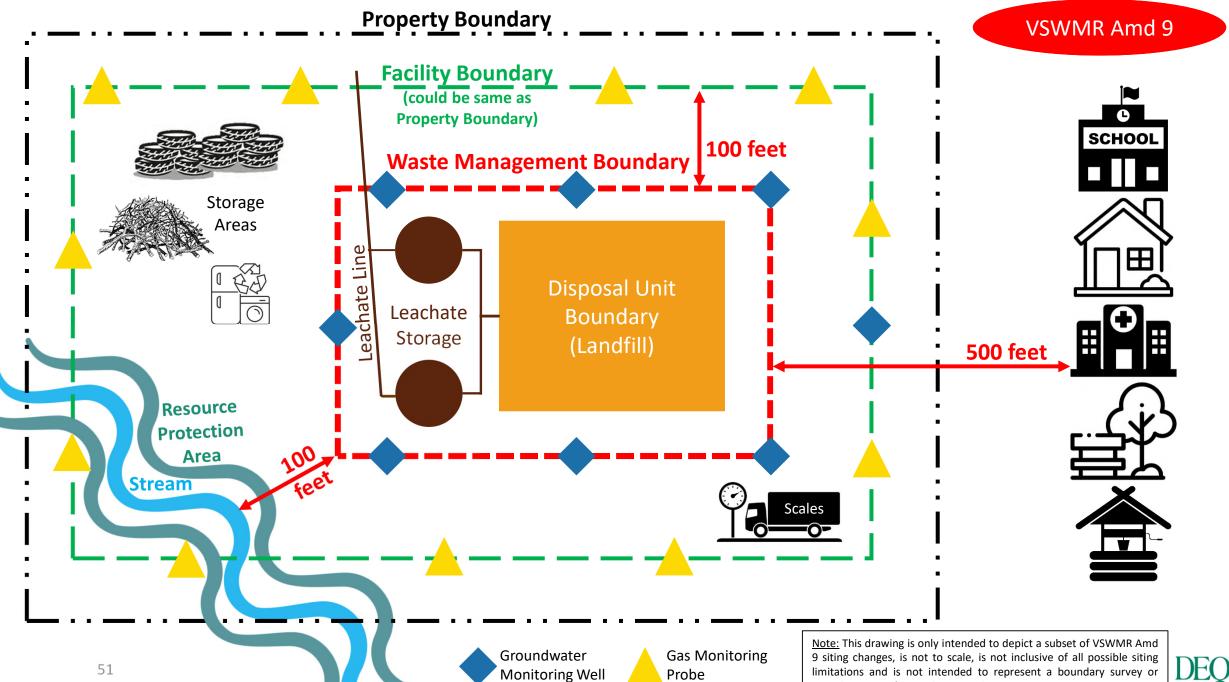
Landfill Gas Monitoring

Landfill Groundwater Monitoring Clarification of Other Requirements

Open Burning Exemptions

Based on public comments, Regulatory Advisory Panel feedback, DEQ input, and recommendations from the Secretary of Natural & Historic Resources EO6 report





Solid Waste Management Regulations – CCR Rule



- Future amendment to incorporate latest version of federal Coal Combustion Residuals (CCR) Rule
- Applies to CCR landfills and surface impoundments
- EPA State and Tribal Assistance Grant (STAG) may provide funding/resources to assist with VA CCR permit program approval



Management and Reuse of Contaminated Media Guidance



- Guidance issued in 2012 to provide self-implementing variance option for reuse of contaminated soil in certain scenarios
- DEQ workgroup reviewing:
 - Screening levels (EPA updates)
 - Paperwork requirements
 - Clarity / ease of use
- Any proposed revisions would be posted on the Virginia Regulatory Town Hall website





Solid Waste Infrastructure for Recycling (SWIFR) Grant

- Eligible Activities:
 - Solid Waste Management Planning
 - Data Collection & Measurement
 - State-led plan implementation

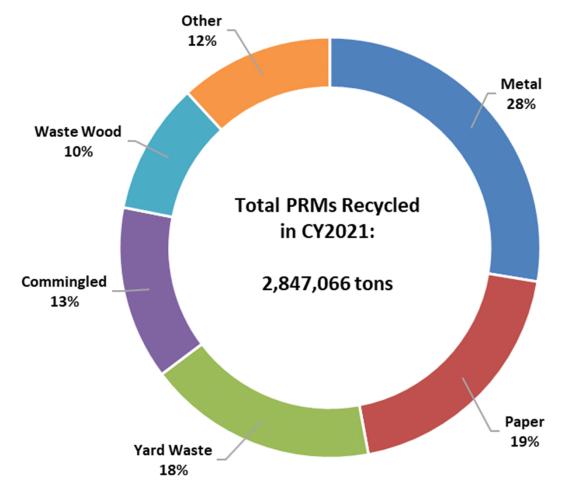
- SWIFR Grant Period:
 - Oct. 1, 2023, to Sept. 30, 2026





Recycling Economic & Environmental Impact Assessment Report

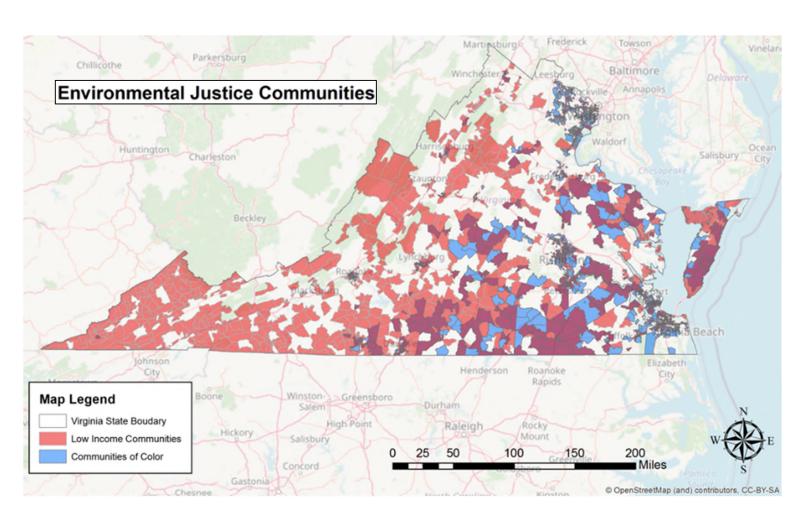
- Assessment Included:
 - Literature search and review,
 - Analysis of industry and recycling data
 - Stakeholder Survey
- Final report due to General Assembly October 2023





Environmental Justice

- Virginia EJScreen+ mapping application available to the public
- DEQ Office of Environmental Justice
- Permitting guidance under development





Solid Waste Regulatory and Guidance Updates



What is this site?

A source of information about proposed changes to Virginia's regulations, including a meetings calendar and board minutes. This site also facilitates public participation through online comment forums and an email notification service.

Public comment forums

- 63 open comment forums, 11 of which have some comments, 84 opened in the last 21
- . 22 closed comment forums within the last 21 days, 7 of which have some comments

Recent Activity

- 10 regulatory changes published in the most recent Virginia Register (2/27/2023)
- . 13 regulatory changes scheduled to be published in future issues of the Virginia Register
- 4 board meetings scheduled for today.
- 59 regulatory changes became effective in the last 90 days
- 47 regulatory stages approved by the Governor in the last 90 days
- 194 periodic reviews of gulations in progress
- 109 proposed and file stages under way

townhall.virginia.gov

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search titles of regulations, actions,

meetings, and much more.

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