



DEQ's Continuing
Discussion with
Stakeholders-What's
Happening at the
"Q"

SWANA Regulatory Update
October 17, 2016



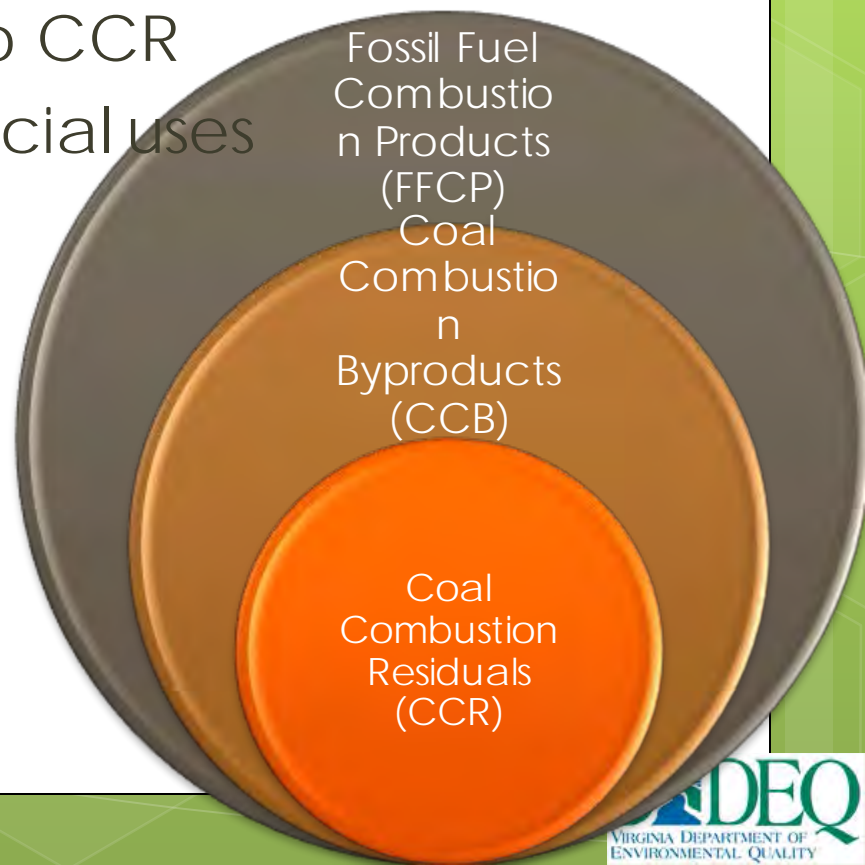
Time Consumers

CCR

CEDS

VSWMR, Amendment 10: Incorporation of EPA's CCR Rule

- Effective 1/27/2016
- Added definitions specific to CCR
- Edited FFCP to allow beneficial uses to exclude CCR
- Added Part VIII
 - New/Existing CCR LFs + SIs
 - Lateral Expansions of CCR LFs + SIs
 - Inactive CCR SIs



CCR, Lawsuit



- EPA was sued
- Results of Lawsuit
 - On 6/14 US Court of Appeals for the Circuit Court of DC ordered the Vacatur of all early closure requirements for inactive impoundments
 - For example Post-closure extended to 30 years for inactive impoundments
 - Same design, location, and GW monitoring of active units
- DEQ will Incorporate these changes and Submit to Board for approval

Database Transition

Virginia Department of Environmental Quality - Current Screen - Solid Waste Permit. Database: CEDSPROD Release:10.08.19 Date:0

Action Edit Query Block Record Field Help Window

CEDSLand Home Reports Legacy Help PRODUCTION KJPERSZYK Quick Search All Modules 3:25 PM 04/01/2016

Waste Permit: PBR545

I-95 Energy Resource Recovery Facility

General FA Staff Events Gas Plan Mods/Auths Inspections Enforcements Billing App Fee Documents Financials

Permit Details

CEDS ID: 900000003956 **Permitted**

Core Facility: [Covanta Fairfax Incorporated](#) **Permit Actions**

Site Name: [I-95 Energy Resource Recovery Facility](#)

Permit Type: Solid Waste Permit-by-Rule

Permit Writer: Aurelson, Yurek G

Permit Issued: 05/18/2010 SWIA Pin: [REDACTED]

Contains at least 1 captive unit: No

Operating Status: Active **Operating Status Date:** 12/15/1992

Financial Assurance Required: Yes **FA Approved**

FA Compliance Status: **In Compliance**

Created: KJPERSZYK @ 04/01/2008 12:00 AM **Edit Waste Permit**

Modified: VABUTLER @ 12/22/2008 12:00 AM

Physical Location

9898 Furnace Rd, Lorton, VA 22079

Imagery

Database Transition

Run Date: 21-DEC-15
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Commonwealth of Virginia Department of Environmental Quality

Energy Recovery/Incineration Facility [SW] Inspection Report

Facility Name: Covanta Fairfax Incorporated
Region: Northern Regional Office
Inspected By: Modliszewski, Jeffrey R

Reference	Description
10.1-1408.1	Disclosure Statement
10.1-1408.2	Operator Certification
20-70-10 et seq.	Financial Assurance
20-90-10 et seq.	Permit Action Fees
20-81-80	Waste Assessment Program
20-81-300.B	Compliance with the facility's permit
20-81-300.F	Unauthorized waste program and inspection
20-81-330.E	Facility design / construction
20-81-340.E.1-4,6	Waste handling procedures / operations
20-81-340.E.5	Management of leachate / washwater
20-81-340.E.7	Chemical analysis of residues
20-81-350	Recordkeeping requirements
20-81-360	Closure requirements
20-81-485.B	Operations Manual
20-81-530.C	Permittee reporting requirements
20-81-610-660	Special Waste

S = Severity Level I = Inspected A= Area of concern V = Alleged



Compliance Inspection Report

Inspection Summary

Facility: Covanta Fairfax Incorporated
Permit: PBR545
Region: Northern Regional Office
Inspection Type: Compliance Evaluation Inspection
Facility Staff:
Other DEQ Staff:

Inspector: Jeffrey Modliszewski
Inspection Date: 12/9/2015
Approximate Arrival Time:
Inspection Method:
Exit Interview:
Weather Conditions:

Comments:

On December 9, 2015, at approximately 9:30 am Jeffrey Modliszewski from the Virginia Department of Environmental Quality (DEQ) performed an announced inspection at Covanta Fairfax Incorporated, PBR 545. The DEQ representative was greeted by Joseph Herrmann, Environmental Compliance Specialist. Mr. Herrmann escorted the DEQ representative throughout the duration of the inspection. An exit interview was conducted with Mr. Herrmann to discuss the findings of the inspection.

Waste To Energy Facility [SW], (Active)

Reference	Description	SL	Result
Compliance Area: General Compliance			
20-70-10 et seq.	Financial Assurance	II	
20-90-10 et seq.	Permit Action Fees	II	
Compliance Area: Operator Information			
10.1-1408.2	Operator Certification	II	✓
10.1-1408.1	Disclosure Statement	I	✓
Compliance Area: Closure			
20-81-360	Closure requirements	II	
Compliance Area: Recordkeeping, Reporting & Permit			
20-81-350	Facility Self-Inspections and Recordkeeping	I	✓
20-81-530.C	Permittee reporting requirements	II	✓
20-81-485.B	Operations Manual	I	✓
20-81-80	Waste Assessment Program	I	✓
20-81-300.B	Compliance with the facility's permit	II	
20-81-300.F	Unauthorized waste program and inspection	II	✓
Compliance Area: Design, Construction & Operation			
20-81-340.E.7	Chemical analysis of residues	II	✓
20-81-330.E	Facility design / construction	I	
20-81-340.E.1-4,6	Waste handling procedures / operations	II	
20-81-340.E.5	Management of leachate / washwater	III	
20-81-610-660	Special Waste	II	

✓ = In Compliance X = Alleged Violation N/A = Not Applicable Blank = Not Inspected

The Daily Grind

- Permitting and Compliance
- SW Planning, SWIA and Recycling
- Groundwater
- Communication
- Workgroups



Permitting and Compliance

Waste			
- Solid Waste	# Permits	# Mods	Total
- Permits/Major Amendments	1	9	10
- Permits By Rule	4		4
- Minor Amendments Approved		35	35
- Permits By Rule Amendments		5	5
- Permittee Change Amendments			0

Permitting and Compliance

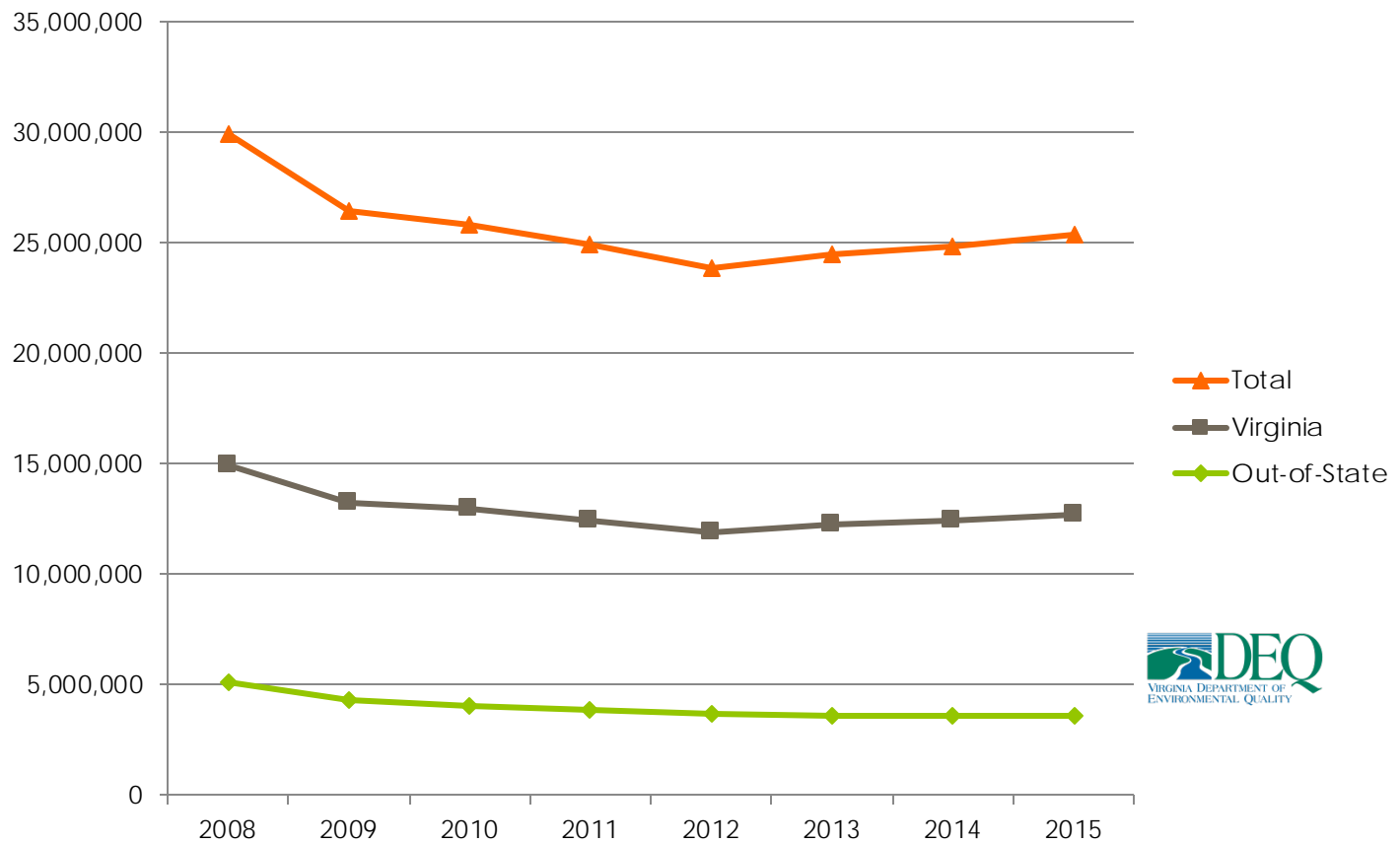
Solid Waste Inspections Completed (FY2016)	
- Region	Total
- BRRO-L	76
- BRRO-R	138
- NRO	129
- PRO	142
- SWRO	35
- TRO	162
- VRO	103
TOTAL	785

Solid Waste Management Plans

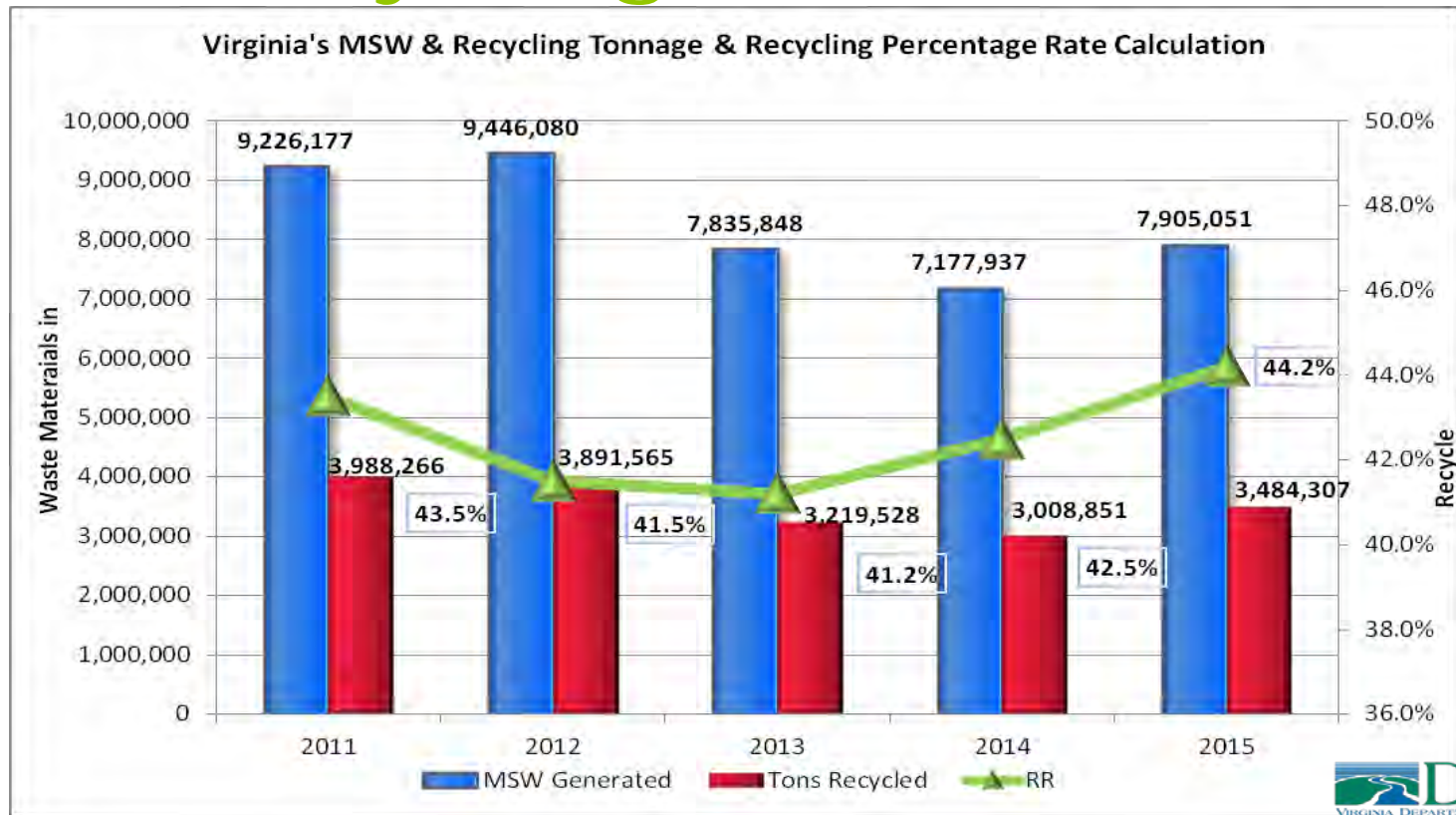
- Completed meetings with planning units
- Reviewing comments to see what can be incorporated as a clarification to the regulation



Solid Waste --SWIA



SW Recycling Rate



Groundwater

- Underdrain Guidance
 - These non-groundwater related requirements will now be in a consistent place in Permits going forward.
 - All sites with similar "underdrain" systems will have consistent benchmarks to compare their monitoring results to.
 - All sites will have a sampling parameter list that is appropriate for assessing "non-performance" issues with their liner/leachate collection systems. The new parameter lists will likely offer cost reduction compared to existing monitoring requirements.
 - Monitoring results will be submitted to a single DEQ point of contact in a consistent format and manner.



GW

- CCR monitoring
 - Addition of groundwater monitoring plans and requirements for CCR LFs and SI

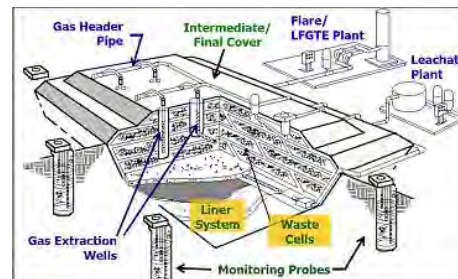
Communication

- You can sign up to receive DEQ news releases by email with DEQ's public communications tool, [DEQcast](#)
- <http://www.deq.virginia.gov/Programs/LandProtectionRevitalization.aspx>
- <http://www.deq.virginia.gov/ConnectWithDEQ/EnvironmentalInformation/CoalAshPermits.aspx>



Workgroups

- Landfill Gas Workgroup
 - working on revisions to Submission Instruction No. 13 to improve landfill gas monitoring and remediation requirements and timeframes.



Workgroups

- Regulated Medical Waste Regs
 - CDC grant through VDH for Public Health Emergency Preparedness
 - Funds have been used to hire contractors to research how to best update our regs
 - Incorporating best management practices as well as modern treatment technologies to address emerging diseases, i.e. Ebola, Zika

LOOKING FORWARD



- One DEQ Permit
- Life After Landfilling
- MRF vs Recycling Center/ BUD guidance
- Composting

Questions for the Future

- What Else Do We Need To Address?
- What Are We Missing?