

**Dominion -  
Chesapeake Energy Center  
VPDES Permit #VA0004081**

Presented by:

The Virginia Department of Environmental Quality (DEQ)

July 7, 2016



# Regulatory Framework

- 2015 EPA Final Rule on the Disposal of Coal Combustion Residuals (CCR)
  - Provides operational and closure standards for new and existing landfills/surface impoundments
  - Provides closure requirements for inactive impoundments
  - Inactive impoundments are those that have not accepted CCR after October 19, 2015 and contain free liquids and are on the property of the generator
  - Rule provides station owner with two closure options – capping in place or removal
- Virginia Solid Waste Management Regulations
  - Virginia Waste Management Board adopted the EPA Final Rule
  - Provides additional technical requirements for closure and post-closure of surface impoundments
  - Provides permitting process and oversight
- State Water Control Law
  - Provides permitting process and oversight to ensure water quality standards are met

# Facility Background

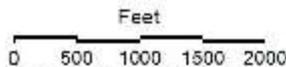
- Existing 700 Mega Watt (MW) natural gas and coal fired steam electric generating station
- Ceased using coal in September, 2014
- Landfill
- Stormwater/Leachate ponds
- One bottom ash pond



# VADEQ VEGIS Map Export

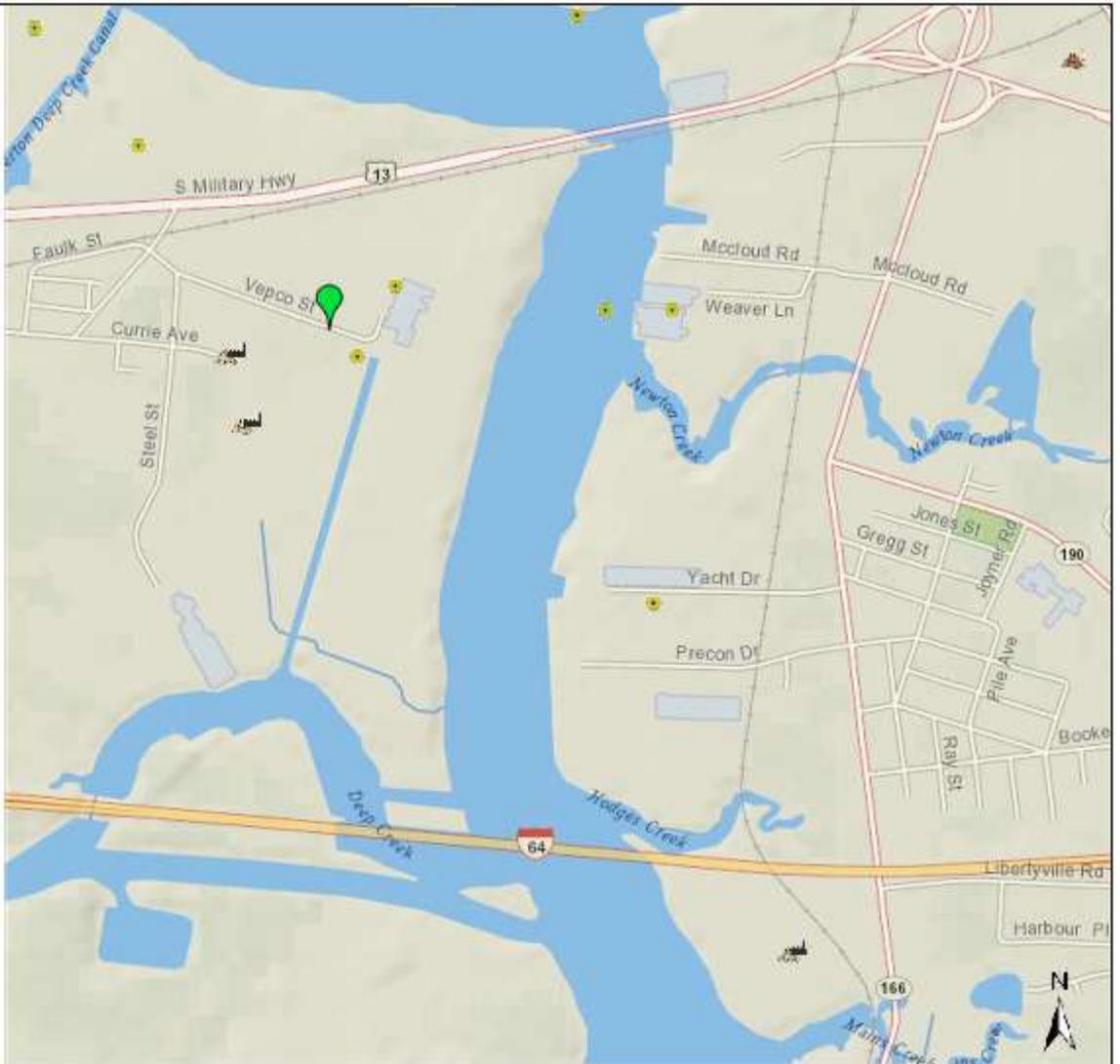
## Legend

-  VPDES (2004)
-  Solid Waste (2009)
-  Construction Demolition
-  Energy Recovery
-  Material Recovery
-  Compost Facility
-  Industrial Landfill
-  Miscellaneous
-  Inert Landfill
-  Sanitary Landfill
-  Transfer Station
-  Medical Waste



1:10,058 / 1"=1,505 Feet

DISCLAIMER: Information contained on this map is to be used for reference purposes only. The VA Dept. of Environmental Quality makes no representation of warranty as to this map's accuracy, and in particular, its accuracy in labeling, dimensions, contours, property boundaries, or placement or location of any map features thereon. No responsibility is assumed for damages or other liabilities due to the accuracy, availability, use or misuse of the information herein provided.



Title:

Date: 6/8/2016



**LEGEND**

- FACILITY BOUNDARY
- - - LIMITS OF CCR LANDFILL CAP
- - - LIMITS OF BOTTOM ASH POND CAP
- GROUNDWATER MONITORING WELL
- SURFACE WATER MONITORING LOCATION
- ◆ OUTFALL 002



# Facility Permit Actions

- Virginia Pollutant Discharge Elimination System (VPDES) Permit Modification
  - Discharge of treated water from the ash pond, stormwater leachate, and closure of the bottom ash pond
  - Ensures discharges comply with established water quality standards
  
- Solid Waste Permit Modification
  - Permanent closure of the landfill and bottom ash pond
  - Perimeter leachate collection system
  - Groundwater monitoring
  - Corrective Action Plan
  - Surface water monitoring
  - Post closure care of landfill and bottom ash pond

# Permitting Background

- What is a VPDES Permit ?
  - Authorizes discharges to surface waters
  - 5-year permit term
  - Protects water quality and beneficial uses
  
- Permit Modification Process
  - Preparation of draft permit and fact sheet
  - EPA review/Public comment period
  - Public hearing (tonight at 7 p.m.)
  - State Water Control Board meeting

# VPDES Draft Permitting Action

- Modification of the existing VPDES permit
  - Removal of eleven existing outfalls
  - Added Outfall 207 (internal)
    - Captures dewatering for sampling prior to release through Outfall 002 (external)
    - Establishes effluent limits prior to discharge
    - Establishes Whole Effluent Toxicity limits
    - Discharge must cease if limits are exceeded
  - Outfall 002 includes monitoring of all constituents associated with the Coal Combustion Residuals rule
  - Bottom Ash Pond Closure Plan incorporated into modification
  - Post Closure Care incorporated into modification

# Path Forward

- Draft Permit: Public Notice & Hearing
  - Oral comments for inclusion into the record accepted beginning at 7 p.m.
  - Written comments accepted through July 22, 2016
  - **[ChesapeakeEnergyCenterWaterPermit@deq.virginia.gov](mailto:ChesapeakeEnergyCenterWaterPermit@deq.virginia.gov)**
  - Point of Contact: Attn: Melinda Woodruff, 5636 Southern Blvd, Virginia Beach, VA 23462
  
- State Water Control Board Meeting
  - September 22-23, 2016
  - Location to be determined
  
- DEQ staff are available to answer questions until 6:45.