Possum Point Power Station

Agenda

- Introductions (1:00-1:15pm)
- Briefing and Discussion (1:15-1:45pm)
- Pre-Tour Safety Briefing and Tour (1:45-2:30)

Possum Point Power Station

- Dominion Virginia Power
- In operation since 1948
- 650+ Acres in Prince William County
- Coal units converted to natural gas in 2003
- Natural gas and oil-fueled power generation
- 1661 MW generating capacity, enough electricity to help power more than 415,000 homes
- 108 employees

Coal Ash Ponds – Closure Plan

- Move ash from A, B, C and E ponds to clay-lined D pond
- Clean close A, B, C, and E ponds
- Place High Density Polyethylene (HDPE) cap and cover on D pond
- Target completion spring 2018

Treated Wastewater Discharge

All wastewater will be treated and tested prior to discharge. Dominion will not discharge any untreated wastewater.

- Possum Point received a water permit modification in January 2016 to allow removal of water from D pond through a water treatment process.
- Public input resulted in increased stringency of the final permit issued by the State Water Control Board (see slide 10).
- Submitted Concept Engineering Report (CER) to DEQ for approval of the wastewater treatment design on February 12, 2016.
- Prior to water discharge –
  - Dominion will complete a "dry-run" of treatment system (without discharging) to ensure technology is working properly.
  - Water will be tested to ensure all discharges meet permit limits.
- Water discharges anticipated to start in March 2016.

00010069

Permitting and Closure Process – Next Steps

Solid Waste Permit

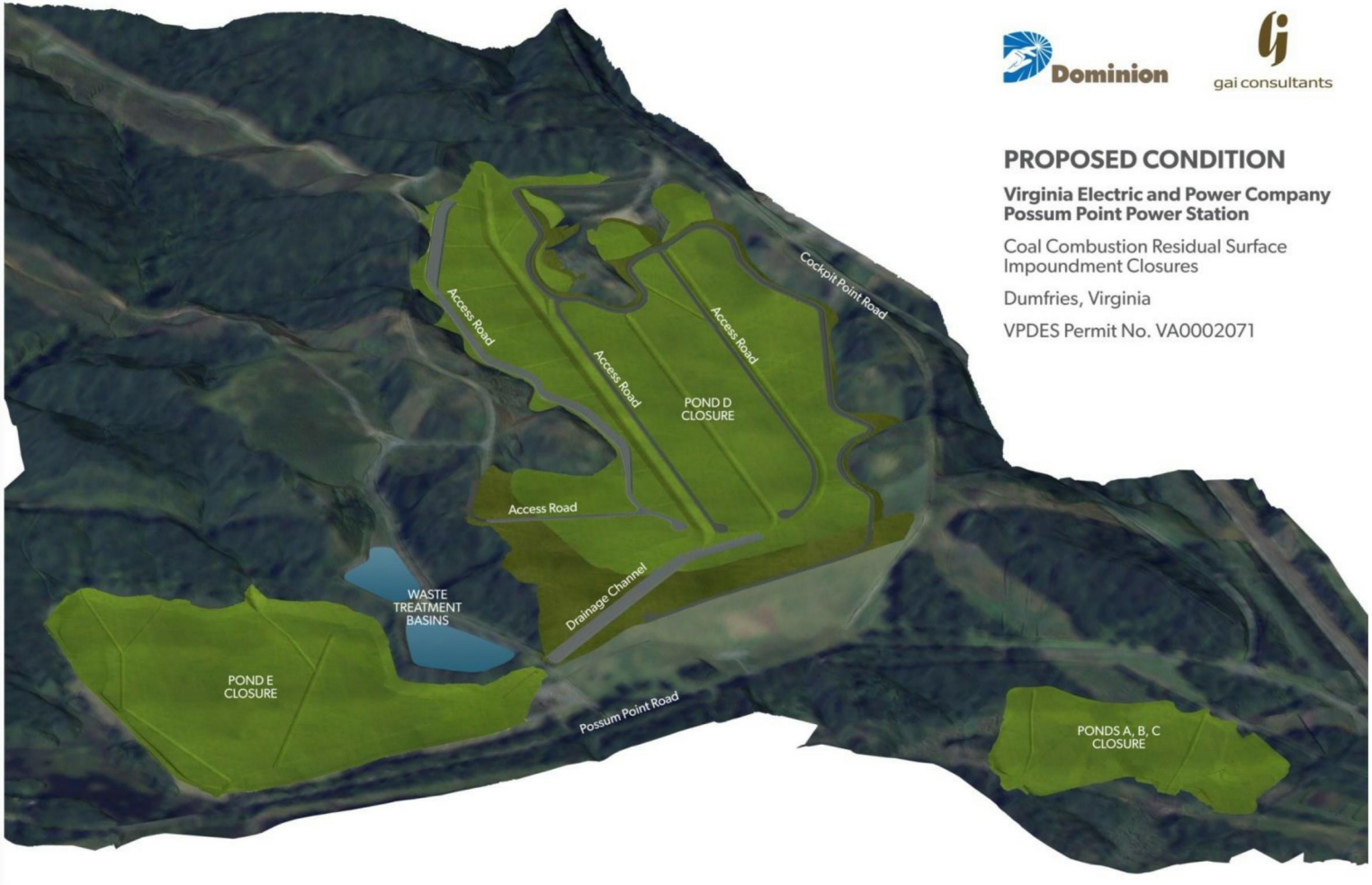
- Additional solid waste permit required to address cap design, groundwater monitoring and inspections with opportunity for public notice and comment.
- Anticipate draft solid waste permit will be available in March 2016, DEQ public hearing in April 2016.

Continued Community Outreach

- Letters sent to residents
- Outreach to community groups

Possum Point Pre-Existing Conditions

Possum Point Post Closure Rendering



Appendix

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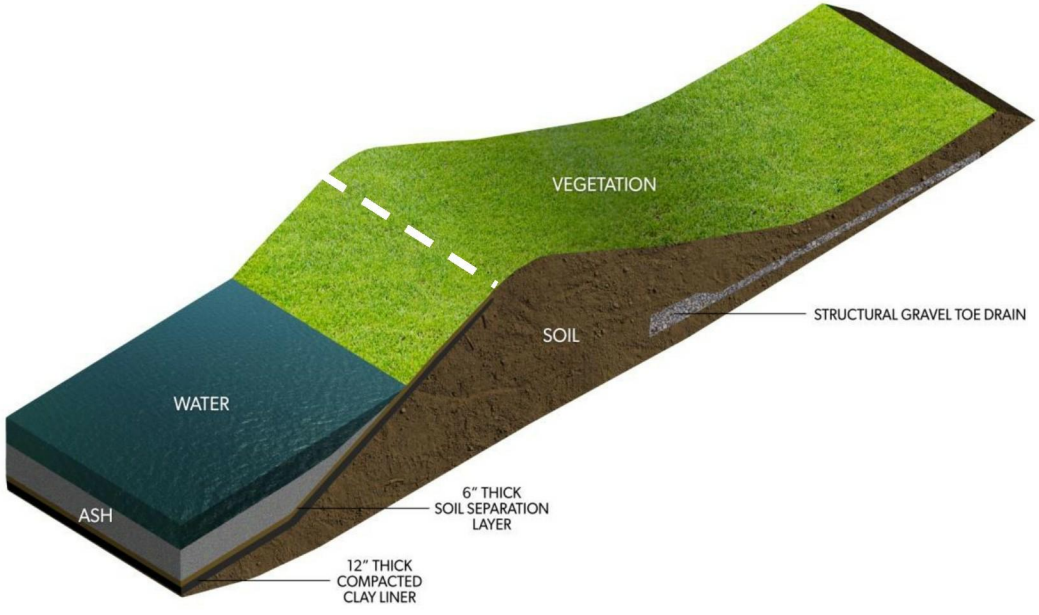
Toe Drain



STRUCTURAL GRAVEL TOE DRAIN : POND D

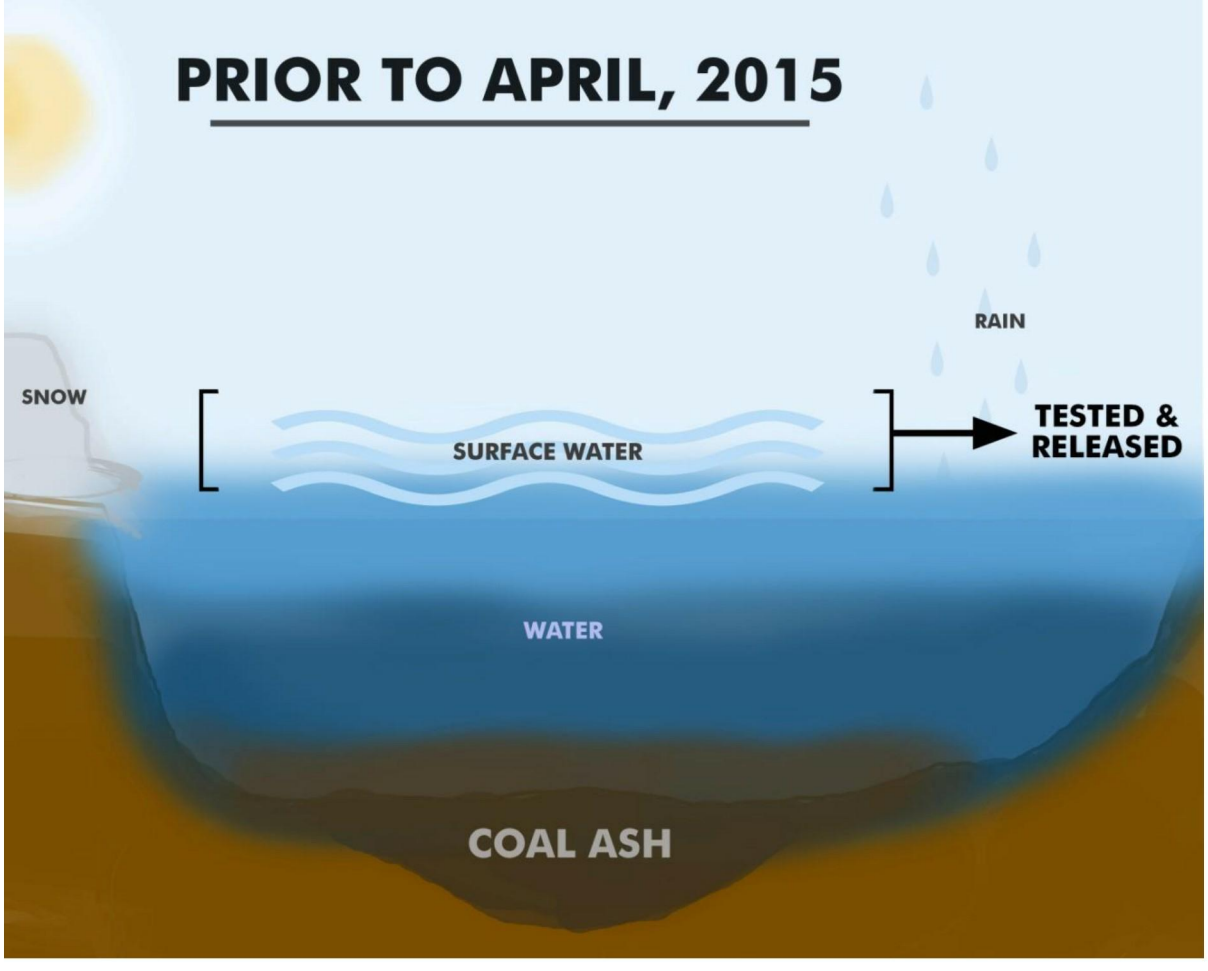
Virginia Electric and Power Company
Possum Point Power Station

Coal Combustion Residual Surface Impoundment Closures

Dumfries, Virginia

VPDES Permit No. VA0002071

Historical Discharges, Prior to 2015



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Wastewater Discharge
Additional Conditions Required in Final Permit

- Public input resulted in increased stringency of the final permit issued by the State Water Control Board (see slide 10).
  - applying effluent limits to the discharge from a collection drain at the largest pond into Quantico Creek;
  - limiting the drawdown of pond surface water to 6 inches per day, except as approved by the Department of Conservation and Recreation;
  - increasing the sampling of ash pond discharge from once per week to three times per week, with a shorter reporting timeline as well;
  - requiring the submission of a conceptual engineering plan for DEQ approval prior to implementing treatment system;
  - putting into place more stringent effluent limits for all ash pond discharges; and
  - requiring the company to immediately cease discharge if effluent limit is exceeded and to submit corrective action plan for approval before restarting.

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