



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949A Cox Road, Glen Allen, Virginia 23060

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David K. Paylor
Director

Jeffery Steers
Regional Director

Molly Joseph Ward
Secretary of Natural Resources

September 13, 2017

Jason E. Williams
Manager, Generation Environmental Services
Chesterfield Power Station
Transmitted via email: Jason.E.Williams@dominionenergy.com

Re: Notice of Planned Change – Lower Ash Pond Wellpoint Curtain Discharge
VPDES Permit VA0004146

Mr. Williams:

The DEQ received your Notice of Planned Change letter on June 22, 2017, regarding the proposed discharge of groundwater to the Lower Ash Pond from a wellpoint curtain along the western embankment of the Lower Ash Pond. We also received the Dam Safety Alteration Permit issued by the DCR Division of Dam Safety and Floodplain Management on September 5, 2017, approving the installation of the wellpoint curtain. The notification indicates that the purpose of installing and operating the wellpoint curtain is to lower the water level within the embankment beyond already acceptable levels to enhance slope stability.

We have no objection to the proposed discharge of groundwater to the Lower Ash Pond from the wellpoint curtain. The information provided indicates that the discharge will not significantly alter the effluent characteristics at Outfall 004 and will not present any water quality concerns. Please be advised that effluent limitations and monitoring will continue per the current VPDES permit requirements.

Nothing in this letter relieves Dominion Energy from the responsibility to comply with requirements set forth in VPDES Permit No. VA0004146 or from adhering to the Virginia Water Quality Standards (9 VAC 25-260).

Please contact Joseph Bryan at (804) 527-5012 or via email at Joseph.Bryan@deq.virginia.gov if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads 'Emilee C. Adamson'.

Emilee C. Adamson
Planning and Water Permit Manager

cc: Ken Roller, Dominion Energy
Heather Deihls, DEQ
Allan Brockenbrough, DEQ
Fred Cunningham, DEQ



RECEIVED PRO
JUN 22 2017

June 22, 2017

Ms. Emilee Adamson
VPDES Permit Manager
Virginia Department of Environmental Quality
Piedmont Regional Office
4949-A Cox Road
Glen Allen, Virginia 23060

**Subj: Chesterfield Power Station, VPDES Permit VA0004146
Notice of Planned Change**

Dear Ms. Adamson:

Dominion Energy (Dominion) has prepared this Notice of Planned Change (NPC) for the installation of a wellpoint curtain along the western embankment of the Lower Ash Pond (LAP) at the Chesterfield Power Station. The wellpoint curtain will be used to lower the water level within the embankment enhancing slope stability beyond already acceptable levels and providing an additional factor of safety.

The installation of the wellpoint curtain will occur prior to dewatering activities of the LAP. Figure 1 (attached) shows the proposed alignment of the wellpoint curtain. The alignment extends from the southwest corner of the western embankment to approximately the midpoint of the embankment. The proposed alignment of the wellpoint curtain is approximate and may be extended or shortened as dictated by actual field conditions and construction observations. The wellpoints will generally be extended through the embankment soils and keyed into the underlying fine grained alluvial soil layer. Water collected by each wellpoint will flow into a main header pipe that will discharge into the LAP.

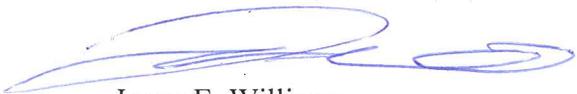
These activities are not expected to change the characteristics of the effluent from the LAP, and will not affect Dominion's ability to comply with applicable effluent limitations for Outfall 004 in the subject VPDES permit.

If you have any questions regarding this submission, please contact Ken Roller at Kenneth.Roller@dom.com. Thank you for your assistance.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly

responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

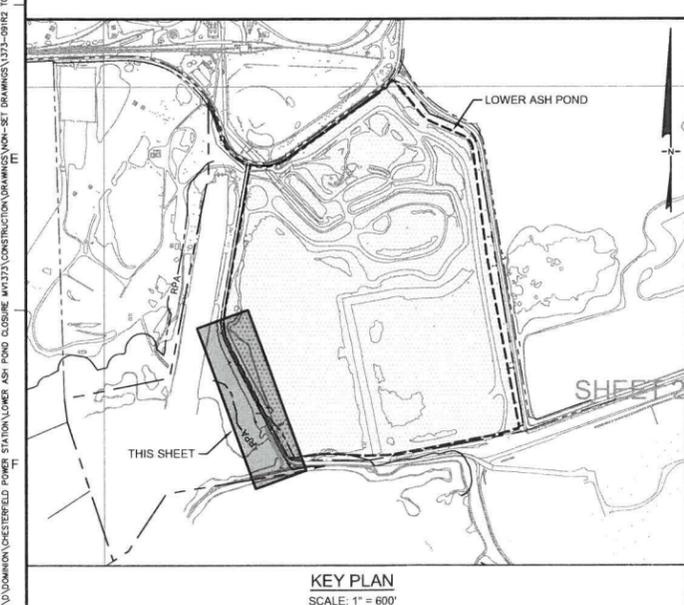
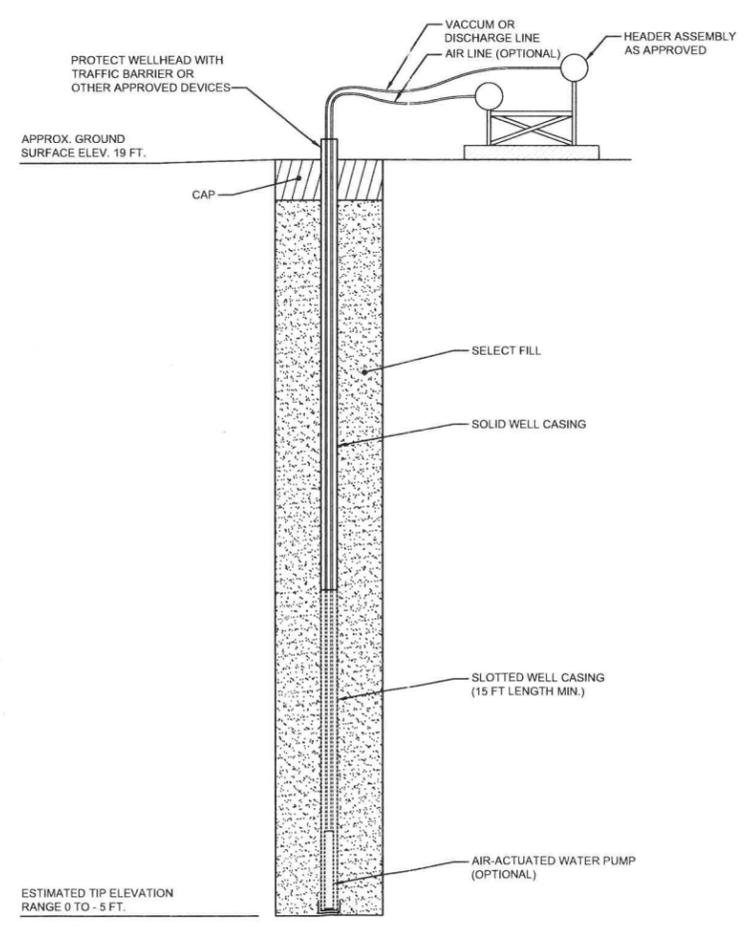
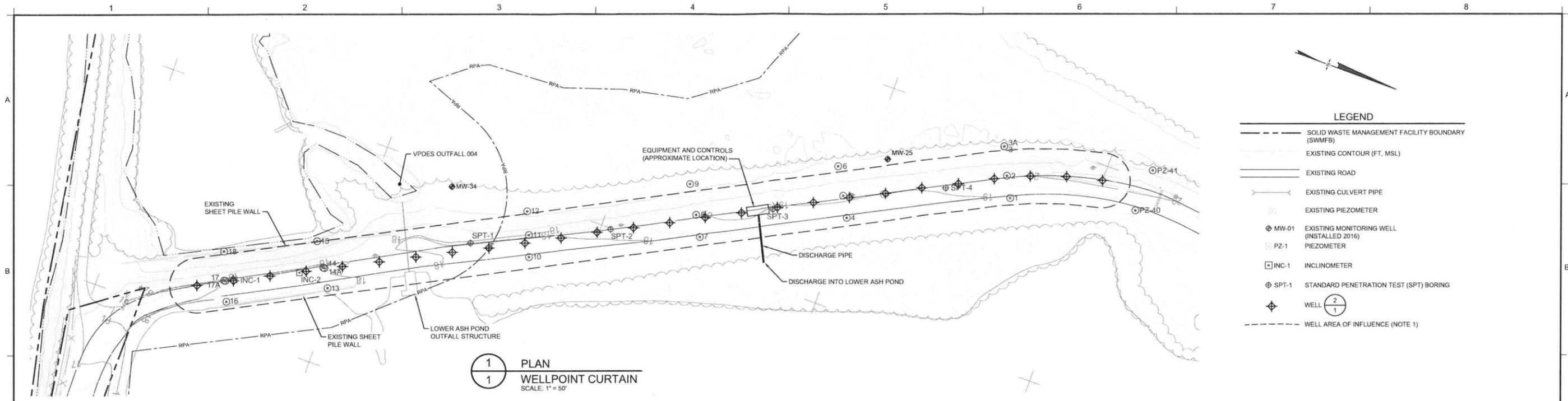


Jason E. Williams
Manager,
Generation Environmental Services

Attachment

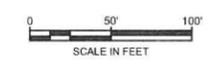
ebc: Mark Mitchell
Pam Faggert
Spencer Adkins
Chris Gee
Pat Lee
Ginger Phelps
Chris Nee
Jason Williams
Ken Roller
Oula Shehab
Kim Lanterman

File Documentum: Chesterfield Power Station Wellpoint Curtain Notice of Planned
Changed (NPC) June 2017/Water-NPDES/Permit Applications



IT IS GEOSYNTEC'S OPINION THAT NO FAILURE MODE IS REASONABLY EXPECTED FROM INSTALLATION OF THE WELLPOINT CURTAIN IN THIS LOCATION

NOTE:
1. FINAL WELL SPACING MAY VARY BASED UPON THE ACTUAL AREA OF INFLUENCE.



**PRELIMINARY
NOT FOR CONSTRUCTION**

REV	DATE	DESCRIPTION	DRN	APP
 				
TITLE: WELLPOINT CURTAIN				
PROJECT: LOWER ASH POND				
SITE: CHESTERFIELD POWER STATION CHESTER, VIRGINIA				
DESIGN BY:	SKS	DATE:	MAY 2017	
DRAWN BY:	JOC	PROJECT NO.:	MV1373	
CHECKED BY:	CML	FILE:	1373-091/2 TOE DRAIN	
REVIEWED BY:		FIGURE NO.:	1	
APPROVED BY:	SKS			

L:\DOMINION\CHESTERFIELD POWER STATION\LOWER ASH POND CLOSURE\W373\CONSTRUCTION\DRAWINGS\W373-SET\DRAWINGS\1373-091R2 TOE DRAIN\DWG-1/16/2017-10-14.dwg, M. K. K. Power

Molly Joseph Ward
Secretary of Natural Resources

Clyde E. Cristman
Director



COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

Rochelle Altholz
*Deputy Director of
Administration and Finance*

David C. Dowling
*Deputy Director of
Soil and Water Conservation
and Dam Safety*

Thomas L. Smith
Deputy Director of Operations

DAM SAFETY AND FLOODPLAIN MANAGEMENT

**Dam Safety Alteration Permit
Significant Hazard Dam, Inventory Number 00823**

This permit entitles Virginia Electric and Power Company to alter Chesterfield Power Station Lower Ash Pond Dam in Chesterfield County pursuant to the provisions of the Dam Safety Act (Section 10.1-604 et seq., Code of Virginia) and the Virginia Soil and Water Conservation Board (Board) Regulations promulgated thereunder and other requirements of the Board.

This one year permit is issued to perform the alterations per the plans and specifications by Geosyntec Consultants, dated May 1, 2017, effective July 31, 2017 and expires July 31, 2018.


David C. Dowling, Deputy Director
Division of Dam Safety and Floodplain Management