451 COXENDALE ROAD

CHESTER, VIRGINIA 23836

37.3702°N; 77.3698°W

811-660-3332-00000

A CHESTERFIELD COUNTY LAND DISTURBANCE

PERMIT IS REQUIRED FOR THIS PROJECT

UMBRELLA VSMP VAR10G662 IS ALREADY I

FLOOD ZONE A AS DEFINED BY THE FEDERA EMERGENCY MANAGEMENT AGENCY, FIRM

PANELS 51041C0335D AND 51041C0169D. EFFECTIVE DATE: DECEMBER 18, 2012.

JAMES RIVER

GENERAL SITE INFORMATION

PARCEL ADDRESS (AS RECORDED

IN CHESTERFIELD COUNTY GIS):

LAT-LONG:

TAX ID:

**GPIN NUMBER:** 

OFFSITE LAND DISTURBANCE

COUNTY LAND DISTURBANCE

PERMIT:

MANAGEMENT PROGRAM PERMIT

FLOODPLAIN:

NAME OF RECEIVING WATERS

VA HU6 FOUR-DIGIT WATERSHED CODE

**VA HU6 TWELVE-DIGIT** 

WATERSHED CODE:

WETLANDS:

### **CONTACT INFORMATION**

DOMINION ENERGY CHRIS M. GEE

600 E. CANAL STREET RICHMOND, VIRGINIA 23219 PHONE: (804) 205-0527

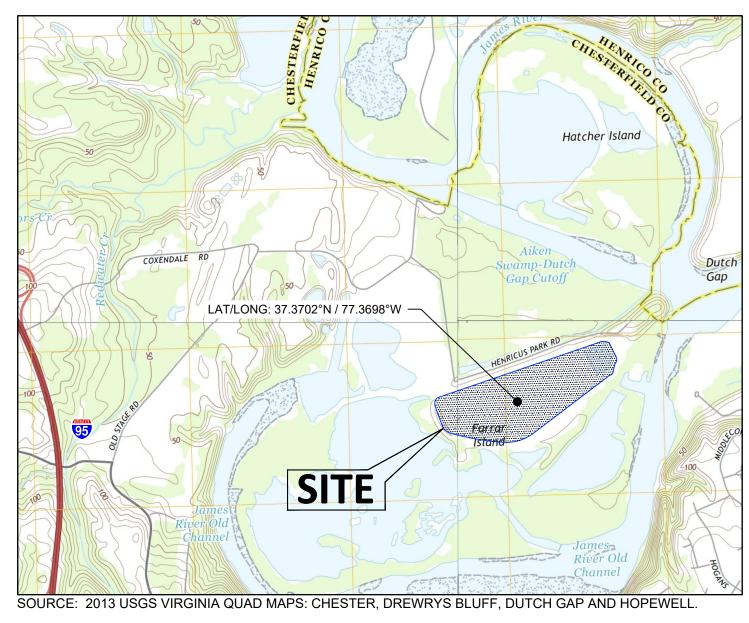
FAX: (804) 273-2876 EMAIL: CHRIS.M.GEE@DOMINIONENERGY.COM

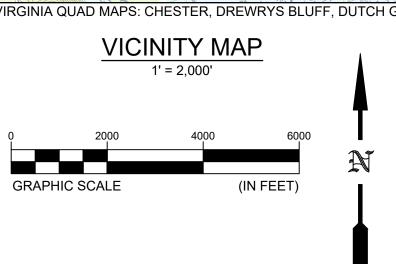
ENGINEER:

STEPHEN WALKER, P.E. 564 WHITE POND DRIVE AKRON, OHIO 44313 PHONE: (330) 289-4233 EMAIL: STEVE.WALKER@AECOM.COM

# DOMINION ENERGY CHESTERFIELD POWER STATION CLOSURE PLAN - UPPER ASH POND

PERMIT APPLICATION DRAWINGS NOT FOR CONSTRUCTION CHESTERFIELD COUNTY, VIRGINIA JULY 22, 2024





DWG NO.	DWG DESCRIPTION
001	COVER SHEET
002	EXISTING CONDITIONS PLAN
003	DEMOLITION PLAN
004	ESTIMATED BOTTOM OF CCR MATERIAL PLAN
005	FINAL GRADING PLAN
006	EROSION AND SEDIMENT CONTROL PLAN
007	FINAL GRADING PROFILE AND CROSS SECTIONS PLAN LAYOUT
∧ 008	FINAL GRADING PROFILES AND CROSS SECTIONS I
1 009	FINAL GRADING PROFILES AND CROSS SECTIONS II
010	FINAL GRADING AND STORMWATER DETAILS)
011	DAM DECOMINISSIONING PLAN
012	DAM DECOMMISSIONING CROSS SECTIONS I
013	DAM DECOMMISSIONING CROSS SECTIONS II

	Stormwater Outfall Table								
Site Area (Acres)		144 +/-							
	٧	est Out	all	Middle Outfall			East Outfall		
Drainage Area (Acres)		46.6		51.8			26.4		
Runoff Reduction (CF)		_		0			0		
Receiving Channel Type		Natural		Notural		Natural			
(Natural, Restored, or Manmade)	Natural			Natural		Naturai			
Channel Protection Compliance Method	N/A		N/A		N/A				
Flood Protection Compliance Method	N/A		N/A		N/A				
	1 - Year	2 - Year	10 - Year	1 - Year	2 - Year	10 - Year	1 - Year	2 - Year	10 - Year
CN Existing <sup>1</sup>		N/A			N/A			N/A	
$RV_{Existing}\left(AC\text{-}FT\right)^{-1}$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q <sub>Existing</sub> (CFS) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CN Developed	84		84			84			
RV <sub>Developed</sub> (AC-FT)	5.14	6.99	12.96	5.73	7.79	14.45	2.88	3.91	7.25
Q <sub>Developed</sub> (CFS)	26.94	32.1	41.99	29.93	34.85	44.28	21.12	25.45	34.21
Q <sub>Allowed</sub> (CFS) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
V <sub>Developed</sub> (ft/s)	5.08	6.05	7.92	5.64	6.57	8.35	4.06	4.8	6.45
Outfall Location (Lat/Long)	N 37.3683 W 77.3758		N 37.3684 W 77.3670			N 37.3720 W 77.3636"			

144 ±

0.1 =,0				,				•		
RV <sub>Existing</sub> (AC-FT) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BMP Servi
Q <sub>Existing</sub> (CFS) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
CN Developed					84			84	Drainage Are	
V <sub>Developed</sub> (AC-FT)	5.14	6.99	12.96	5.73	7.79	14.45	2.88	3.91	7.25	
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Q <sub>Allowed</sub> (CFS) <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
$V_{Developed}$ (ft/s)	5.08	6.05	7.92	5.64	6.57	8.35	4.06	4.8	6.45	
cation (Lat/Long)	N 37.3683			N 37.3684			N 37.3720			
cation (Eat/ Long)	W 77.3758			W 77.3670			W 77.3636"			
<sup>1</sup> Not computed since the existing condition was a regulated basin.										
									Location of s	
										in diameter a
										*The Farrar Gu

Stormwater Compl	iance Table
Site Area (acres)	144 +/-
Required Removal for the Site (lbs)	0
Total Load Removed (lbs)	0
Offset Generating Facility	
Amount of Phosphorus Purchased (lbs)	N/A
Equivalent Nitrogen Amount (lbs)	
8-Digit HUC of Generating Facility	N/A
ВМР Туре	A BMP is not needed because the TP load is zero following the VRRM
BMP Service Area (list sections/phases)	N/A
Design Removal Efficiency (%)	N/A
Drainage Area Used for Sizing BMP (Acres)	N/A
Previous Acres Treated	N/A
Treatment Volume (CF)	N/A
Load Removed (lbs)	N/A
Location of BMP (Lat/Long)	N/A
Receiving Water	James River
VAHUC6	20802
MS4 Operator	Dominion Virginia Power
TMDL	Not Required*
Downstream BMP	N/A
Location of storm sewer outfalls 30 inches	NI/A
in diameter and greater (excludes culverts)	N/A

because the TMDL for specific pollutants(s) is complete

## PREPARED FOR: DOMINION ENERGY (OWNER)

600 E. CANAL STREET RICHMOND, VA 23219

CALL MISS UTILITY BEFORE DIGGING

1-800-552-7001

811

REVISIONS							
REV NO	DATE	INITIALS	DESCRIPTION				
1	7/22/2024	SCW	REMOVE LOW PERM FILL FROM BACKFILL DETAIL				

## PREPARED BY: **AECOM**

4840 COX RD GLEN ALLEN, VA 23060

AECOM

# 020802060106 **EXISTING FIRE HYDRANT LOCATION** SUFFICIENT FOR THIS PROJECT WETLANDS AND RPA FIELD DELINEATED BY **GOLDER ASSOCIATES JUNE 2018 AND BY** AECOM ON MARCH 11, 2020. ZONING/LAND USE INFORMATION

#### MAGISTERIAL DEVELOPMENT BERMUDA DISTRICT: ZONING/LAND USE OF AREA IN I-3 (HEAVY INDUSTRIAL) QUESTION: EXISTING ZONING/LAND USE OF WHOLE PROPERTY (PER CITIZEN I-3 (HEAVY INDUSTRIAL) GIS, 2010): **INDUSTRIAL 144 ACRES** LAND USE (PER CITIZEN GIS 2010) VPDES PERMIT NUMBER ZONING CASE(S) 10SN0114, 19SN0554, 15SN0647

**VSMP COMPLIANCE** WATER QUALITY COMPLIANCE IN ACCORDANCE WITH 9VAC25-870-65 IS ACHIEVED THROUGH THE CHIAP PROJECT VSMP VAR10G662.

THIS PROJECT IS COVERED UNDER THE UMBRELLA VSMP VAR10G662

#### CBPA COMPLIANCE

A. TIDAL WETLANDS MINIMALLY IMPACTED

B. NON-TIDAL WETLANDS PERMITTED VIA USACE JD #NAO-2007-02441 C. TIDAL SHORES NOT IMPACTED

D. VEGETATED CONSERVATION AREA WITHIN 100 FEET OF PROPERTY LINE NOT IMPACTED 100-YEAR FLOODPLAIN NOT FILLED

F. HIGHLY ERODIBLE SOILS OR STEEP SLOPES SHOWN ON PLANS AND PROTECTED BY EROSION AND SEDIMENT CONTROL MEASURES SHOWN IN THIS SITE PLAN

G. NO HIGHLY PERMEABLE SOILS

H. THE PURPOSE OF THIS PROJECT IS TO COMPLY WITH FEDERAL CCR RULE TO PERMANENTLY CLOSE EXISTING CCR IMPOUNDMENT. WATER QUALITY COMPLIANCE IN ACCORDANCE WITH 9 VAC 25-870-65.

THIS PROJECT WILL HAVE A LAND DISTURBANCE GREATER THAN 2,500 S.F.: THEREFORE THE VSMP REGULATIONS FOR STORMWATER ARE APPLICABLE AND ADMINISTERED BY THE COUNTY. | N

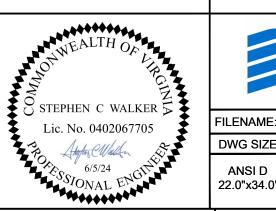
IMPACTS TO WETLAND AND OTHER WATERS OF THE U.S. ARE BEING SUBMITTED FOR APPROVAL UNDER SECTION 404 AND 401 OF THE CLEAN WATER ACT AND THE VIRGINIA TIDAL WETLANDS ACT THROUGH A PENDING MINOR PERMIT MODIFICATION REQUEST CHESTERFIELD POWER STATION FOSSIL FUEL COMBUSTION PRODUCTS MANAGEMENT FACILITY DEPARTMENT OF THE ARMY PERMIT NO. 2007-02441; 10-V1787 AND VIRGINIA WATER PROTECTION PERMIT NO. 10-1787. THESE PLANS MAY REQUIRE MODIFICATIONS PENDING PERMIT CONDITIONS AS REQUIRED BY FEDERAL OR STATE REVIEW AGENCIES. PERMIT CONDITIONS AMENDED TO THE PLANS SHALL BE FOLLOWED.



# COVER SHEET

CHESTERFIELD POWER STATION CLOSURE PLAN - UPPER ASH POND CHESTERFIELD COUNTY, VIRGINIA

PERMIT APPLICATION DRAWINGS



	SCALE: /	AS SHOWN	DES:	MSR	
	DWG TYPE:	DFTR:	JBM		
	JOB NO: 60	0614683	CHKD:	RJB	
	DATE: 8	-5-2021	ENGR:	SCW	
EET	SWP UAI	P.DWG	APPD:	SCW	
	DATE: 8	-5-2021	ENGR:	SCW	

COVER SHE DWG SIZE DRAWING NO. REVISION 001 22.0"x34.0" COUNTY UTILITY PROJECT

DISTURBED AREA ACREAGE: 140 ±

**TOTAL SITE ACREAGE:** 

