

**ATTACHMENT 8.1
WETLANDS/WATERS IMPACT SUMMARY¹**

Impact Site	Jurisdictional Determination ²	Wetland/Water Impact Description ³	Wetland Size (acres)	Jurisdictional Wetland Impact Area ⁴ (acres)	Cowardin Classification of Impacted Wetland/Water ⁵	Jurisdictional Stream/Waters Dimensions at Impact Site		
						Length (linear feet)	Range of Width (linear feet)	Area (acres)
Proposed Power Plant								
W-7	Non-jurisdictional ^{6,7}	F, NT, PE, SB, IS, V	0.02	Not Applicable (N/A)	PEM	N/A	N/A	N/A
W-8	Non-jurisdictional ⁸	F, NT, PE, SB, V	0.03	N/A	PEM	N/A	N/A	N/A
W-9	Non-jurisdictional ⁸	F, NT, PE, V	0.04	N/A	PEM	N/A	N/A	N/A
W-10	Non-jurisdictional ⁸	F, NT, PE, V	0.15	N/A	PEM	N/A	N/A	N/A
W-16	Non-jurisdictional ⁸	F, NT, PE, SB, V	0.41	N/A	PEM/PSS/PFO	N/A	N/A	N/A
		Subtotal	0.65	N/A				
Proposed Solid Waste Management Facility								
W-12	Jurisdictional	F, NT, PE, SB, V	0.18	0.18	PEM/PSS	N/A	N/A	N/A
W-17 & road side ditch	Jurisdictional	F, NT, PE, V	0.11	0.11	PEM/PSS	N/A	N/A	N/A
W-20	Jurisdictional	F, NT, PE, SB, V	0.13	0.13	PEM/PSS	N/A	N/A	N/A
UT-2	Jurisdictional	F, NT, PR	N/A	N/A	N/A	3,620	9 ⁹	0.748
UT-2	Jurisdictional	F, NT, IN	N/A	N/A	N/A	80	1-2 ¹⁰	0.004
UT-2	Non-jurisdictional ¹¹	F, NT, E	N/A	N/A	N/A	N/A	N/A	N/A
UT	Jurisdictional	F, NT, IN	N/A	N/A	N/A	180	0.5-1 ¹⁰	0.004
		Subtotal	0.42	0.42		3,880	N/A	0.76¹²
Property Boundary								
W-2	Jurisdictional	NT, PE, V	1.96	0.00	PEM/PSS	N/A	N/A	N/A
W-2a	Non-jurisdictional ⁶	NT, PE, V, IS	0.33	0.00	PEM/PSS	N/A	N/A	N/A
W-3	Jurisdictional	NT, PE, V	0.82	0.00	PEM	N/A	N/A	N/A
W-4	Jurisdictional	NT, PE, V	0.09	0.00	PEM	N/A	N/A	N/A
W-5 and W-5a	Jurisdictional	NT, PE, SB, V	0.98	0.00	PEM	N/A	N/A	N/A
W-6	Jurisdictional	NT, PE, V	0.26	0.00	PEM	N/A	N/A	N/A
		Subtotal	4.44	0.00				
		TOTAL WETLAND AREA IMPACTS (ac)		0.42	TOTAL STREAM IMPACTS	3,880	N/A	0.76¹²

Notes:

- ¹ Refer to Attachment 18.3 for more information and the locations of wetlands and waters to be impacted by the proposed Solid Waste Management Facility.
- ² As per USACE Jurisdictional Determination letter dated October 11, 2007.
- ³ F = fill, NT = non-tidal, PE = permanent, PR = perennial, IN = intermittent, E = ephemeral, SB = subaqueous bottom, IS = hydrologically isolated, V = vegetated.
- ⁴ Impact areas based on design of SWMF and Power Plant.
- ⁵ PEM - Palustrine Emergent Wetland, PSS - Palustrine Scrub-Shrub Wetland, PFO - Palustrine Forested Wetland
- ⁶ Isolated wetland.
- ⁷ It is anticipated that VDEQ will determine that W-7 is an Isolated Wetland of Minimal Ecological Value, which is exempt from VDEQ's Virginia Water Protection permitting requirements. Dominion is in the process of requesting an exemption from VDEQ.
- ⁸ Sedimentation pond control structure within boundary of existing mining permit.
- ⁹ **Nine feet is the approximate width of the perennial section of UT-2 and was used to calculate the area.**
- ¹⁰ **Maximum width was used to calculate the area.**
- ¹¹ **Based on EPA and USACE Rapanos guidance issued June 2007.**
- ¹² **Total Stream Impact area was rounded from 0.756-acre to 0.76-acre.**