

Mountain Valley Pipeline Project

Docket No. CP16-10-000

Attachment DR5 Soils 2

DEIS TABLE 4.2.1-1
(Updated for MVP October 2016 Proposed Route)
(March 2017)

Soil Limitations along the Mountain Valley Project (in Acres)

Facility	Water Erosion Potential <u>a/</u>		Wind Erosion Potential <u>b/</u>		Prime Farmland <u>c/</u>		Hydric Soils <u>d/</u>		Compaction Potential <u>e/</u>		Stony/Rocky Soils <u>f/</u>		Revegetation Potential <u>g/</u>		Poor Drainage Potential <u>h/</u>	
	Perm	Temp	Perm	Temp	Perm	Temp	Perm	Temp	Perm	Temp	Perm	Temp	Perm	Temp	Perm	Temp
Pipeline Right-of-Way	1,522.8 -	3718.8 3717.1	-	0	805.3 -	1,928.7 1916.8	-	0	28.4 -	62.0 24.5	512.9 -	1,241.5 1,235.1	401.8 -	248.2 247.4	16.7 -	33.4 31.3
Meter Stations	2.4	24.3 14.7	0	0	4.7	53.1 43.6	0	0	4.0	2.5	0	0.3	0	0	0	0
Compressor Stations	12.4	70.3 79.9	0	0	15.9	54.6 64.1	0	0	0	1.6	12.5 3.2	26.5 26.8	0	0	0	1.6
Yards	0	54.8 55.9	0	0	0	118.6	0	0	0	41.6	0	0	0	0.4	0	34.6
Temporary and Permanent Access Roads	139.2 189.2	524.37 32.1	0	0	81.6 78.4	324.8 286.1	0	0	20.8 3.0	83.7 550.18	79.5 99.41	280.5 354.8	6.0 9.80	25.3 380	8.2 10.9	30.0 26.3
Additional Temporary Workspace	0	451.2 455	0	0	0	393.9 393	0	0	0	50.7 27.8	0	168.1 158.1	0	31.7	0	16.3
Cathodic Protection Areas	0	6.2 6.02.9	0	0	0	14.8 14.37.0	0	0	0	5.5 1.32.7	0	0.60	0	0.95	0	2.2 2.1.14
Subtotal i/	1,676.8 204	4,851.5 060.6	0	0	907.5 98.9	2,888.5 2,836.6	0	0	59.2 3.0	247.6 613.9	595.6 102.6	1,717.5 1,775.5	107.8 9.8	306.1 322.5	24.9 10.9	118.1 112.2
Project Total i/	4,851.5	5,060.6	0	0	3,796.2	2,836.6	0	0	306.8	613.9	1,719.5	1,775.5	413.9	322.5	143.1	112.2

Source: USDA, ~~2015a~~, 2015b 2016

Note: Totals may not sum correctly due to rounding.

a/ Areas identified as highly water erodible soils are ranked as “very severe” or “severe” by SSURGO erosion hazard (Off-Road, Off-Trail) criteria.

b/ Areas identified as highly wind erodible soils have a wind erodibility index of 1 or 2 as determined by SSURGO.

c/ Areas identified as prime farmland are identified as lands that meet the “all prime farmland” or “farmland of statewide and local importance” criteria as determined by NRCS, SSURGO.

d/ Areas identified to have a hydric rating include the “all” and “partial” criteria as determined by SSURGO.

e/ Areas identified to have a severe compaction potential are limited to silt loam or finer based on particle size and ranked “somewhat poor,” “poor,” and “very poor” drainage as determined by SSURGO.

f/ Areas identified to have stony/rocky soils are soils that as determined by SSURGO include stone, rocky, or cobbles in the soil name (does not include rock outcrops).

g/ Areas identified to have poor revegetation potential are lands that have a Capability Class 3 or greater, a low available water capacity and slopes greater than 8 percent as determined by SSURGO.

h/ Areas identified to have poor drainage potential are ranked as “poor” or “very poor” as determined by SSURGO.

~~i/ Temporary and Total acreages include the subset of Temporary that is Permanent acreage.~~