

APPENDIX R
Summary of Soils Within the Leach XPress Project Area

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Map Unit Symbol^a	Pipeline Crossing Length (feet) / Impact Acreage^b	Prime Farmland^a	Hydic Soils^a	Soil Rutting Hazard^a	Compaction Potential^c	K Factor^a	Erosion Potential^d	Steep Slopes^e	Shallow Bedrock^f	Revegetation Potential
Pipeline Facilities Marshall County, WV										
BrC	708	Farmland of statewide importance	No	Severe	High	0.37	Moderate	Yes	No	Moderate
BrD	3,743	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
BrE	1,881	No	No	Severe	Moderate	0.37	High	Yes	No	Low
CaA	821	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
CiC	2,399	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
CkA	1,544	Yes	Yes	Severe	Moderate	0.37	Low	No	No	Moderate
CmC	5,576	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	High
CmD	31,651	Farmland of Statewide Importance	No	Severe	Moderate	0.20	Moderate	Yes	Yes	High
CpC	1,386	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
CpD	4,266	Farmland of statewide importance	No	Severe	Moderate	0.20	Moderate	Yes	Yes	Moderate
CpE	2,636	No	No	Severe	Moderate	0.20	High	Yes	Yes	Low
CrF	10,957	No	No	Severe	Moderate	0.20	Low	Yes	Yes	Moderate
CuC	123	No	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
DoC	465	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
DoD	729	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
DoE	1,205	No	No	Severe	Moderate	0.37	High	Yes	No	Low
DrE	26,087	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
DsF	26,026	No	No	Severe	Moderate	0.37	High	Yes	No	Low
FaC	199	Farmland of Statewide Importance	No	Severe	Moderate	0.28	Moderate	Yes	Yes	High
GuC	82	Farmland of Statewide Importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GuD	1,879	Farmland of Statewide Importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
LoA	228	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate

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MoB	324	Farmland of Statewide Importance	Yes	Severe	High	0.43	Low	No	No	Moderate
MoC	1,093	Farmland of Statewide Importance	Yes	Severe	High	0.43	Moderate	Yes	No	Moderate
SeA	533	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
SfB	719	Yes	No	Severe	Moderate	0.37	Low	No	No	High
SKA	383	Farmland of statewide importance	Yes	Moderate	Moderate	0.17	Low	No	No	High
Uh	613	No	No	Not Rated	Not Rated	Not Rated	Not Rated	No	No	Low
W	1,344	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
Wayne County, WV										
AgC	181	Farmland of statewide importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
BeD	830	Farmland of statewide importance	No	Severe	Moderate	Not rated	Moderate	Yes	No	Moderate
Ca	1,804	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
DgF	1,530	No	No	Slight	Low	0.05	Low	Yes	Yes	Moderate
GuC	294	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GuD	4,151	Farmland of statewide importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GuE	344	Farmland of local importance	No	Severe	Moderate	0.37	High	Yes	Yes	Moderate
GuF	1,129	No	No	Severe	Moderate	Not rated	High	Yes	Yes	Low
Lo	151	Yes	Yes	Severe	High	0.28	Low	No	No	Moderate
MaB	598	Farmland of statewide importance	No	Severe	Moderate	0.55	Low	No	No	High
MaC	570	Farmland of statewide importance	No	Severe	Moderate	0.55	Moderate	Yes	No	Moderate
Ud	1,072	No	No	Not rated	Not rated	Not rated	Not rated	Yes	No	Low
W	1,847	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
Greene County, PA										
CaC	932	Farmland of	No	Severe	High	0.24	Moderate	Yes	Yes	Moderate

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		Statewide Importance								
CaD	284	No	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
DoD	201	No	Yes	Severe	High	0.37	Moderate	Yes	No	Moderate
DtD	618	No	Yes	Severe	High	0.37	Moderate	Yes	No	Moderate
DtF	1,923	No	Yes	Severe	High	0.37	High	Yes	No	Low
GdB	417	Yes	Yes	Severe	High	0.49	Low	Yes	No	Low
Hu	222	Yes	Yes	Severe	High	0.28	Low	No	No	Moderate
Nw	1,494	Farmland of Statewide Importance	Yes	Severe	High	0.37	Low	No	No	Moderate
Fairfield County, OH										
BkF	48	No	No	Severe	Moderate	0.17	High	No	Yes	Moderate
Cg	556	Prime farmland if protected from flooding	Yes	Severe	High	0.37	Low	No	No	Moderate
FhB	711	Yes	No	Severe	Moderate	0.37	High	No	No	Moderate
FmA	931	Yes	No	Severe	Moderate	0.49	Low	No	No	High
GcE	369	No	No	Moderate	Slight	0.17	Moderate	No	Yes	Moderate
GdF	447	No	No	Moderate	Slight	0.10	Moderate	No	Yes	Moderate
GkC	3,464	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GkD	3,575	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GnC2	765	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
Lk	1,151	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
Ne	295	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.37	Low	Yes	No	Moderate
SdD	870	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	No	No	Moderate
SeE	9,919	No	No	Severe	Moderate	0.32	High	Yes	No	Low
SfD	2,172	Farmland of local importance	No	Severe	Moderate	0.28	Moderate	Yes	No	Moderate
SfE	1,417	No	No	Severe	Moderate	0.28	High	Yes	No	Low
W	121	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low

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WeC	5,654	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
WfC	218	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
ZnC2	1,388	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
Hocking County, OH										
AfB	328	Yes	No	Severe	Moderate	0.43	Low	No	No	Moderate
AfC	892	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
BrF	151	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
CeF	2,560	No	No	Moderate	Slight	0.10	Low	Yes	Yes	Low
Cg	491	Prime farmland if protected during the growing season	Yes	Severe	High	0.37	Low	No	No	Moderate
Chg1AF	4,015	Prime farmland if protected during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
CtC	146	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
DkF	1,164	No	No	Severe	Moderate	0.05	High	Yes	Yes	Low
EcA	316	Prime farmland if drained	Yes	Severe	High	0.43	Low	No	No	Moderate
GfA	2,487	Yes	Yes	Severe	High	0.49	Low	No	No	Moderate
GfB	2,258	Yes	Yes	Severe	High	0.49	Low	No	No	Moderate
Hay1AF	1,567	Prime farmland if protected during the growing season	No	Severe	Moderate	0.43	Low	No	No	High
LnC	4,717	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
LnD	1,525	Farmland of local importance	No	Severe	Moderate	0.32	High	Yes	Yes	Moderate

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McA	1,396	importance Prime farmland if drained	Yes	Severe	High	0.43	Low	No	No	Moderate
Me1AF	2,327	importance Prime farmland if protected during the growing season	Yes	Severe	High	0.43	Moderate	No	No	Moderate
Nk	1,063	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
Orr1AF	3,518	Prime farmland if protected and drained during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
OtB	2,795	Yes	Yes	Severe	High	0.49	Low	No	No	Moderate
OtC	1,120	Farmland of local importance	No	Severe	Moderate	0.49	Moderate	Yes	No	Moderate
OtD2	691	Farmland of local importance	No	Severe	Moderate	0.49	Moderate	Yes	No	Moderate
Po	1,658	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
SaC	2,400	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
SaD	1,617	Farmland of local importance	No	Severe	Moderate	0.32	High	Yes	Yes	Moderate
SbE	23,883	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
ScD	8,387	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	No	Moderate
ScE	13,374	No	No	Severe	Moderate	0.32	High	Yes	No	Low
ScF	586	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
W	153	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
WeB	266	Yes	No	Severe	Moderate	0.43	Low	No	Yes	High
WeC	1,962	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
WfC	19,228	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
WmB	646	Yes	No	Severe	Moderate	0.37	Low	No	Yes	High
WmC	649	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	No	Yes	Moderate

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WtA Lawrence County, OH	657	Yes	Yes	Severe	High	0.43	Low	No	No	Moderate
EmB	508	No	Yes	Not rated	Not rated	Not rated	Not rated	No	No	Low
W	41	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
Monroe County, OH										
BwE2	148	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
Chg1AF	135	Prime farmland if protected during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
DkE2	963	No	No	Severe	Moderate	0.24	High	Yes	Yes	Low
GkC2	2,411	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Low
GkD2	4,654	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Low
GkE2	23,273	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GkE3	883	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GkG	5,274	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GIG	9,873	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GoB2	258	Yes	No	Severe	Moderate	0.32	Low	No	Yes	Moderate
GoC2	8,174	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
GoD2	8,848	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
GoD3	622	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GoE2	25,967	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GoE3	1,706	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GoG2	8,367	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GrD2	689	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
GsG	4,779	No	No	Severe	Moderate	0.43	High	Yes	No	Low
GtD	285	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
GwC2	364	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
GwD2	2,045	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
GwE2	4,748	No	No	Severe	Moderate	0.43	High	Yes	No	Low
GwE3	136	No	No	Severe	Moderate	0.43	High	Yes	Yes	Low
GwG2	1,964	No	No	Severe	Moderate	0.43	High	Yes	No	Low
He	1,976	Yes	No	Severe	Moderate	0.32	Low	No	Yes	High
Hr	1,563	Prime farmland if drained	Yes	Severe	High	0.37	Low	No	Yes	Moderate
KnL1AF	165	Prime farmland if drained and protected during the growing season	Yes	Severe	Moderate	0.32	Low	No	No	Moderate

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Lh	562	Yes	Yes	Severe	High	0.32	Low	No	No	Moderate
LpE2	2,083	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
LuF	586	No	No	Severe	Moderate	0.37	High	Yes	No	Low
Ma	346	No	No	Not rated	Not rated	Not rated	Not rated	Not rated	No	Low
New1AF	408	Prime farmland if drained or protected during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
SsE	1,362	No	No	Severe	Moderate	0.37	High	Yes	No	Low
UrC3	351	No	No	Severe	Moderate	0.32	High	No	Yes	Low
UrD3	1,026	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
VaD	164	No	Yes	Severe	High	0.32	Moderate	Yes	No	Low
W	128	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
WhB2	502	Yes	No	Severe	Moderate	0.37	Low	No	Yes	Moderate
WhC2	2,336	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
WhD2	2,409	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
Wm1D2	1,541	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
WmW1D2	3,659	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
WrA	592	Yes	No	Severe	Moderate	0.37	Low	No	No	High
ZnB	1,168	Yes	No	Severe	Moderate	0.43	Low	No	Yes	Moderate
ZnB2	1,388	Yes	No	Severe	Moderate	0.43	Low	No	Yes	Moderate
ZnC	64	No	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
ZnC2	2,562	No	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
ZoB2	745	Yes	No	Severe	Moderate	0.43	Low	No	Yes	Moderate
ZoC2	2,286	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
Morgan County, OH										
BdF	391	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
BrD	456	Farmland of local importance	Yes	Severe	High	0.37	Moderate	Yes	No	Moderate
BrE	336	No	Yes	Severe	High	0.37	High	Yes	No	Moderate
CeB	1,169	Yes	No	Severe	Moderate	0.28	Low	No	No	High
CgC	896	Farmland of local importance	Yes	Severe	High	0.24	Low	Yes	No	Moderate
CoB	587	Farmland of local importance	No	Moderate	Low	0.37	Low	No	No	High
GhD2	2,052	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
GhE2	1,392	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GhF	741	No	No	Severe	Moderate	Not	High	Yes	Yes	Low

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GnB	138	Yes	Yes	Severe	High	rated 0.49	Low	No	No	Moderate
GsD2	8,511	Farmland of local importance	Yes	Severe	High	0.43	Moderate	Yes	No	Moderate
Hay1AO	272	Prime farmland if drained and protected during the growing season	No	Severe	Moderate	0.43	Low	No	No	High
Ld	1,043	Yes	Yes	Severe	High	0.37	Low	Yes	No	Moderate
LoD2	10,641	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
LrE2	6,069	No	No	Severe	Moderate	0.28	High	Yes	No	Low
LrF	2,207	No	No	Severe	Moderate	0.28	High	Yes	Yes	Low
LsE2	429	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
MoB	90	No	No	Severe	Moderate	0.32	Low	No	No	High
Np	992	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
Pg	557	No	No	Not rated	Not Rated	Not rated	Not rated	No	No	Low
UpC2	810	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	No	No	Moderate
VbD2	459	Farmland of local importance	Yes	Severe	High	0.37	Moderate	Yes	No	Moderate
W	546	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
WfB	4,677	Yes	No	Severe	Moderate	0.37	Low	No	No	High
WfC2	9,183	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	No	No	Moderate
WgE2	659	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
WgF	7,852	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
WnC2	116	No	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
WyB	472	Yes	No	Severe	Moderate	0.37	Low	No	Yes	Moderate
WyC2	2,294	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
ZnC2	91	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate

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Muskingum County, OH										
BkF	631	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
CrC	249	No	Yes	Severe	High	0.24	Low	Yes	No	Moderate
GdC2	436	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GeD2	161	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GtC2	12,543	No	No	Severe	Moderate	0.37	Moderate	No	No	Moderate
GtD2	5,885	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
Lk	1,077	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
Lm	861	Yes	Yes	Severe	High	0.28	Low	No	No	Moderate
LpD	286	No	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
LpD2	2,693	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
LrE2	9,757	No	No	Severe	Moderate	0.28	High	Yes	Yes	Low
LrF	414	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
MrF	144	No	Yes	Severe	Moderate	0.15	High	Yes	No	Moderate
MsB	1,719	No	Yes	Severe	High	0.32	Low	No	No	Moderate
MsD	2,889	No	Yes	Severe	High	0.32	Low	Yes	No	Moderate
Ne	416	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.37	Low	Yes	No	Moderate
WhC2	1,838	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
WmB	422	Yes	No	Severe	Moderate	0.37	Low	No	No	High
WmC2	3,198	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	No	No	Moderate
ZnB	639	Yes	No	Severe	Moderate	0.43	Low	No	No	High
Noble County, OH										
BkD	56	No	No	Severe	Moderate	0.17	Moderate	Yes	Yes	Moderate
BkE	376	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
BkF	6,995	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
BtD2	1,162	No	Yes	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
BtE2	389	No	Yes	Severe	Moderate	0.37	High	Yes	No	Low
DkF	3,082	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
EbE2	716	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
GdE	1,477	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
GdF	871	No	No	Severe	Moderate	Not rated	High	Yes	Yes	Low
GkE2	4,512	No	No	Severe	Moderate	0.37	High	Yes	Yes	Moderate
GkF2	957	No	No	Severe	Moderate	0.32	High	Yes	Yes	Moderate
GuC	2,224	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
GuD	2171	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
KnL1AF	2,293	Prime	Yes	Severe	Moderate	0.32	Low	No	No	Moderate

APPENDIX R
Summary of Soils within the Leach XPress Project Area

Map Unit Symbol ^a	Pipeline Crossing Length (feet) / Impact Acreage ^b	Prime Farmland ^a	Hydric Soils ^a	Soil Rutting Hazard ^a	Compaction Potential ^c	K Factor ^a	Erosion Potential ^d	Steep Slopes ^e	Shallow Bedrock ^f	Revegetation Potential
		farmland if drained and protected during the growing season								
LoD	4,523	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
LpE2	10,688	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
LrE2	934	No	No	Severe	Moderate	0.37	High	Yes	Yes	Moderate
LuE	12,570	No	No	Severe	Moderate	0.37	High	Yes	No	Low
LuF	14,127	No	No	Severe	Moderate	0.37	High	Yes	No	Low
MrB	248	No	Yes	Severe	Moderate	0.32	High	No	No	Moderate
MrF	3,640	No	Yes	Severe	Moderate	0.32	High	Yes	No	Moderate
Mwr1D1	714	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Low
No	1,855	Prime	Yes	Severe	Moderate	0.43	Low	No	No	Moderate
		farmland if drained and protected during the growing season								
Sa	1,839	No	Yes	Severe	Moderate	0.32	Moderate	No	No	Moderate
Uc	2,696	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
UpC	783	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
UrD3	4,774	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
VaE2	1,194	No	No	Severe	Moderate	0.37	High	Yes	No	Moderate
VcD2	22,861	No	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
VcE2	1,335	No	No	Severe	Moderate	0.37	High	Yes	No	Low
WoB	336	Yes	No	Severe	Moderate	0.43	Low	No	No	High
WoC	2,550	No	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
ZaB	2,995	Yes	No	Severe	Moderate	0.43	Low	No	Yes	High
ZaC	4,537	No	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
Perry County, OH										
AfC	679	Farmland of local importance	No	Severe	Moderate	0.49	Moderate	Yes	No	Moderate
BhB	1,358	No	No	Severe	Moderate	0.43	Low	No	No	Moderate
BkD	360	No	Yes	Severe	High	0.17	Low	Yes	No	Low
BkF	6,860	No	Yes	Severe	High	0.17	High	No	No	Low
BvF	499	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
CkC2	1,819	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
DkD	727	No	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
DkE	4,256	No	No	Severe	Moderate	0.24	High	Yes	Yes	Low
DmF	1,113	No	No	Severe	Moderate	0.24	Low	Yes	Yes	Moderate
Ds	645	No	No	Not rated	Not rated	Not	Not rated	Not rated	No	Low

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EnE	2,396	No	Yes	Severe	High	rated 0.17	Low	Yes	No	Low
FtA	170	Prime farmland if drained	Yes	Severe	High	0.37	Low	No	No	Moderate
GdC	814	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GdD	974	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GnB	1,011	Yes	Yes	Severe	High	0.43	Moderate	No	No	High
GwC	9,923	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
GwD	9,001	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
GwE	5,163	No	No	Severe	Moderate	0.43	High	Yes	No	Low
HaD2	878	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
Km	265	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.43	Low	No	No	Moderate
KnL1AF	130	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.32	Low	No	No	Moderate
Ne	1,725	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.37	Low	No	No	Moderate
New1AF	1,860	Prime farmland if drained and protected during the	Yes	Severe	High	0.32	Low	No	No	Moderate

**APPENDIX R
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Sfe	77	growing season No	No	Severe	Moderate	0.28	High	Yes	No	Low
Uc	769	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
W	161	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
WhB	4,057	Yes	No	Severe	Moderate	0.37	Moderate	No	Yes	Moderate
WhC	23,838	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
WkB	761	Yes	No	Severe	Moderate	0.37	Moderate	No	Yes	Moderate
WkC	2,105	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
WmC	5,979	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
WmD	5,608	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
WmE	1,490	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
WsF	505	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
WtC	928	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
ZnB	9,258	Yes	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
ZnC	1,728	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
Vinton County, OH										
GaD	2,529	No	No	Moderate	Slight	0.17	Moderate	Yes	Yes	Moderate
GaE	1,692	No	No	Moderate	Slight	0.17	High	Yes	Yes	Low
Omu1B1	226	Yes	No	Severe	Moderate	0.43	Low	No	No	High
Omu1C1	890	No	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
Phi1AF	1,113	Prime farmland if drained and protected during the growing season	Yes	Severe	High	0.37	Low	No	No	Moderate
Pn	109	Yes	No	Severe	High	0.37	Low	No	No	High
ScD	1,676	No	No	Severe	Moderate	0.32	Moderate	Yes	No	Moderate
SfE	6,100	No	No	Severe	Moderate	0.32	High	Yes	Yes	Low
SkP1AF	960	Prime farmland if drained and	Yes	Severe	High	0.37	Low	No	No	Moderate

**APPENDIX R
Summary of Soils within the Leach XPress Project Area**

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		protected during the growing season								
WbC	1,673	No	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
WhL1C1	8,470	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
WhL1D1	24,511	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
WhL1E1	7,256	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
Aboveground Facilities										
Marshall County, WV										
Lone Oak Compressor Station										
C1C	0.27	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
CmC	3.53	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	High
CmD	10.54	Farmland of Statewide Importance	No	Severe	Moderate	0.20	Moderate	Yes	Yes	High
DrE	8.13	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
DsF	14.24	No	No	Severe	Moderate	0.37	High	Yes	No	Low
LEX launcher										
CmC	0.14	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	High
CmD	0.46	Farmland of Statewide Importance	No	Severe	Moderate	0.20	Moderate	Yes	Yes	High
DsF	0.02	No	No	Severe	Moderate	0.37	High	Yes	No	Low
MoB	0.14	Farmland of Statewide Importance	Yes	Severe	High	0.43	Low	No	No	Moderate
Mainline Valve 1										
C1C	0.06	Farmland of Statewide Importance	No	Severe	Moderate	0.24	Moderate	Yes	Yes	Moderate
Mainline Valve 2										
CmD	0.08	Farmland of Statewide Importance	No	Severe	Moderate	0.20	Moderate	Yes	Yes	High
DrE	0.03	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
Wayne County, WV										
Ceredo Compressor Station										
MaB	16.40	Farmland of statewide importance	No	Severe	Moderate	0.55	Low	No	No	High
Fairfield County, OH										

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APPENDIX R – SUMMARY OF SOILS WITHIN THE LEACH XPRESS PROJECT AREA

APPENDIX R
Summary of Soils within the Leach XPress Project Area

Map Unit Symbol^a	Pipeline Crossing Length (feet) / Impact Acreage^b	Prime Farmland^a	Hydric Soils^a	Soil Rutting Hazard^a	Compaction Potential^c	K Factor^a	Erosion Potential^d	Steep Slopes^e	Shallow Bedrock^f	Revegetation Potential
Crawford Compressor Station										
CdF	0.34	No	No	Moderate	Slight	0.15	Low	Yes	Yes	Moderate
FhB	1.26	Yes	No	Severe	Moderate	0.37	High	No	No	Moderate
Gf	8.12	Yes	Yes	Severe	High	0.37	Low	No	No	Moderate
Ne	0.59	Yes	Yes	Severe	High	0.37	High	No	No	Moderate
Ud	11.72	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
Ug	0.01	No	No	Not rated	Not rated	Not rated	Not rated	No	No	Low
K-260 Regulator Station^g										
GdF	1.67	No	No	Moderate	Slight	0.10	Moderate	No	Yes	Moderate
GkC	0.70	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GkD	1.99	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
GnB	0.24	Yes	Yes	Severe	High	0.49	Low	No	No	Moderate
GnC2	0.31	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	No	Moderate
SeE	0.48	No	No	Severe	Moderate	0.32	High	Yes	No	Low
WeC	4.29	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	No	Yes	Moderate
LEX1 receiver										
FmA	2.06	Yes	No	Severe	Moderate	0.49	High	No	No	Moderate
Hocking County, OH										
Benton Compressor Station										
Cg	3.83	Prime farmland if protected during the growing season	Yes	Severe	High	0.37	Low	No	No	Moderate
Benton Regulator Station										
ScD	1.33	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	No	Moderate
WeC	0.07	No	No	Severe	Moderate	0.43	Moderate	Yes	Yes	Moderate
WmC	1.03	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	No	Yes	Moderate
R-System Regulator Stationⁱ										
CeF	0.03	No	No	Moderate	Slight	0.10	Low	Yes	Yes	Low
GfB	4.44	Yes	Yes	Severe	High	0.49	Low	No	No	Moderate
Hay1AF	0.03	Prime farmland if	No	Severe	Moderate	0.43	Low	No	No	High

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McA	1.25	protected during the growing season Prime farmland if drained	Yes	Severe	High	0.43	Low	No	No	Moderate
Mainline Valve 8 ScD	0.06	Farmland of local importance	No	Severe	Moderate	0.32	Moderate	Yes	No	Moderate
Mainline Valve 9 WfC	0.06	Farmland of local importance	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
Jackson County, OH										
Oak Hill Compressor Station h										
Omu1A1	3.62	Yes	Yes	Severe	High	0.43	Low	No	No	Moderate
Omu1B1	14.72	Yes	No	Severe	Moderate	0.43	Low	No	No	Moderate
Omu1C1	0.07	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
Pio1AF	0.22	Prime farmland if drained	Yes	Severe	High	0.43	Moderate	No	No	High
Wya3C2	4.21	No	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
R-486 Odorization Site Omu1C1	0.14	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
R-130 Odorization Site Omu1B1	0.12	Yes	No	Severe	Moderate	0.43	Low	No	No	Moderate
R-543 Odorization Site Omu1A1	0.14	Yes	Yes	Severe	High	0.43	Low	No	No	Moderate
Lawrence County, OH										
R-300 / R-500 Odorization Site										
KaB	1.08	Yes	No	Severe	Moderate	0.37	Low	No	No	Moderate
KaC	0.18	No	No	Severe	Moderate	0.37	Moderate	Yes	No	Moderate
PpS1AF	0.01	Prime farmland if protected during the growing season	Yes	Severe	High	0.37	Low	No	No	Moderate
BM-111 Loop launcher EmB	0.80	No	Yes	Not rated	Not rated	Not rated	Not rated	No	No	Low
Monroe County, OH										
Mainline Valve 3										
GoD2	<0.01	No	No	Severe	Moderate	0.32	Moderate	Yes	Yes	Moderate
GwD2	0.06	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
Mainline Valve 4										

**APPENDIX R
Summary of Soils within the Leach XPress Project Area**

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GrD2	0.06	No	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
Muskingum County, OH										
Mainline Valve 6										
MsB	0.06	No	Yes	Severe	High	0.32	Low	No	No	Moderate
MsD	<0.01	No	Yes	Severe	High	0.32	Low	Yes	No	Moderate
Noble County, OH										
Summerfield Compressor Station										
EbE2	6.34	No	No	Severe	Moderate	0.37	High	Yes	Yes	Low
LuE	0.45	No	No	Severe	Moderate	0.37	High	Yes	No	Low
Mainline Valve 5										
BkF	0.06	No	No	Severe	Moderate	0.17	High	Yes	Yes	Low
Perry County, OH										
Mainline Valve 7										
GwC	0.06	Farmland of local importance	No	Severe	Moderate	0.43	Moderate	Yes	No	Moderate
Vinton County, OH										
McArthur Regulator Station										
GaD	2.56	No	No	Moderate	Slight	0.17	Moderate	Yes	Yes	Moderate
WhL1D1	0.19	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate
RS-1286										
WhL1D1	0.20	No	No	Severe	Moderate	0.37	Moderate	Yes	Yes	Moderate

Note: The numbers in this table have been rounded for presentation purposes. As a result, the totals may not reflect the sum of the addends.

^a As designated by the Natural Resources Conservation Service.

^b Represents total length (in feet) crossed by the pipeline facilities or acres of impacts associated with construction of the aboveground facilities.

^c Compaction Potential – Based on soil rutting hazard: Low (slight), Moderate (moderate), High (severe), and hydric designation (yes, no). ^d Erosion Potential – Based on land capability class and subclass: High (Ve-VIIIe); Moderate (IIIe-IVe); and Low (remaining subclasses). ^e Steep Slopes – Represents soils with slopes greater than 8 percent.

^f Shallow Bedrock – Represents soils with consolidated rock 60 inches or less from the surface.

^g Acreages presented for the K-260 RS include soils affected during construction and operation of the associated incoming line and tie-in valve.

^h Acreages presented for the Oak Hill CS include soils affected during construction and operation of the associated suction/discharge lines and tie-in facility.

ⁱ Acreages presented for the R-System RS include soils affected during construction and operation of the associated outgoing line and tie-in facility.