APPENDIX C

SOILS FOUND ALONG THE PROPOSED PROJECT

Appendix C-1	Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities
Appendix C-2	Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

APPENDIX C-1
Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities

APPENDIX C-1

TABLE C-1
Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities

Cumulative Length Crossed (miles)	Soil Association	Erosion Potential	Drainage Class	Hydric Soil	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
11.6	Keithville-Eastwood-Metcalf	Low to moderate	Somewhat poorly drained to moderately well drained	No	No	No	Good	Yes
2.3	Guyton-Iuka-Cahaba	Low	Poorly drained to moderately well drained	Yes (Guyton)	No	No	Fair	No
1.2	Bowie-Ruston	Low	Moderately well drained	No	No	No	Good	Yes
3.9	Forbing-Gore-Wrightsville	Low	Poorly drained to moderately well drained	No	No	No	Fair to good	Yes
0.6	Gallion-Caspiana	Low	Well drained	No	No	No	Good	Yes
0.1	Yorktown-Perry	Low	Poorly drained	Yes	Yes	No	Fair	No
5.1	Moreland-Buxin	Low	Poorly drained to somewhat poorly drained	No	Yes	No	Fair	Yes
2.6	Caspiana-Gallion	Low	Somewhat poorly drained to well drained	No	Yes	No	Fair to good	Yes
2.5	Ruston	Low	Well drained	No	No	No	Good	No
0.4	Meth-Malbis	Low	Moderately well drained to well drained	No	No	No	Good	No
3.7	Malbis-Ruston-Beauregard	Low	Moderately well drained to well drained	No	No	No	Good	Yes
11.4	Guyton-Ouachita	Low	Poorly drained to well drained	No	No	No	Fair to good	No
0.4	Gurdon-Dubach-Bienville	Low	Somewhat poorly drained to well drained	No	No	No	Good	Yes
5.7	Briley-Betis-Mclaurin	Low	Moderately well drained to somewhat excessively drained	No	No	No	Fair	No
6.9	Guyton-Ouachita-Ochlockonee	Low	Poorly drained to well drained	Yes	No	No	Fair to good	No
0.4	Mahan-Bowie	Low	Somewhat poorly drained to moderately well drained	No	No	No	Fair to good	Yes

TABLE C-1 (continued)
Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities

Cumulative Length Crossed (miles)	Soil Association	Erosion Potential	Drainage Class	Hydric Soil	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs	Revegetation Potential	Prime Farmland
6.9	Briley-Mclaurin	Low	Moderately drained to well drained	No	No	No	Good	Yes
3.4	Cadeville-Ora	Low to moderate	Moderately well drained	No	No	No	Poor	No
0.8	Guyton Rosebloom	Low	Poorly drained	Yes	No	No	Fair	No
3.6	Ruston-Lucy-Alaga	Low to moderate	Well drained	No	No	No	Good	No
0.8	Ora-Savannah	Low to moderate	Somewhat poorly drained to moderately well drained	No	No	No	Poor to good	No
2.5	Frizzell-Providence-Guyton	Low	Poorly drained to moderately well drained	No	No	No	Fair	No
8.7	Perry-Portland	Low	Poorly drained to somewhat poorly drained	Yes	Yes	No	Fair to good	Yes
1.3	Hebert-Sterlington-Rilla	Low	Somewhat poorly drained to well drained	No	No	No	Fair to good	Yes
0.1	Barclay-Rosebloom	Low	Poorly drained to somewhat poorly drained	Yes	No	No	Fair	No
0.2	Wrightsville-Alligator-Crowley	Low	Poorly drained	Yes	Yes	No	Fair	Yes
3.8	Hebert-Rilla-Sterlington	Low	Somewhat poorly drained	No	Yes	No	Good	Yes
9.7	Gilbert-Gigger-Dexter	Low	Poorly drained	Yes	No	No	Fair	Yes
0.6	Perry-Forestdale	Low	Poorly drained	Yes	Yes	No	Fair	No
6.5	Gilbert-Necessity-Egypt	Low	Poorly drained	Yes	No	No	Fair	Yes
8.4	Calhoun-Grenada	Low	Poorly drained	50/50	No	No	Fair	Yes
0.2	Sharkey-Tensas	Low	Poor	Yes	Yes	No	Fair	Yes
0.7	Sharkey	Moderate	Moderately well drained	No	No	No	Good	Yes

TABLE C-1 (continued)
Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities

Cumulative Length Crossed (miles)	Soil Association	Erosion Potential	Drainage Class	Hydric Soil	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
2.2	Eastwood-Meth	Low	Well drained	No	No	No	Good	No
3.9	Forbing-Gore-Wrightsville	Low	Poorly drained to moderately well drained	No	No	No	Fair to good	Yes – when drained
0.6	Gallion-Caspiana	Low	Well drained	No	No	No	Good	Yes
0.1	Coushatta	Low	Well drained	No	No	No	Good	Yes
0.3	Severn	NA	NA	NA	NA	NA	NA	NA
1.8	Guyton-Messer	Low	Poorly drained	Yes	No	No	Fair	No
0.6	Falkner-Boswell	Low	Somewhat poorly drained to moderately well drained	No	No	No	Good	No
2.4	Bellwood-Natchitoches-Sacul	Low	Moderately well drained to well drained	No	No	No	Good	Yes
11.8	Sacul-Bowie-Sawyer	Low	Moderately well drained to well drained	No	No	No	Fair to good	No
8.2	Sacul	Low	Moderately well drained	No	No	No	Good	Yes
6.9	Guyton-Ouachita-Ochlockonee	Low	Poorly drained to well drained	Yes	No	No	Fair to good	No
1.8	Frizzell-Cahaba-Guyton	Low	Moderately well drained to well drained	No	No	No	Fair to good	Yes
4.0	Bellwood-Vaiden	Low	Moderately well drained	No	No	No	Good	Yes
4.9	Dundee-Sharkey-Tensas	Low	Poorly drained	No	Yes	No	Fair	Yes
13.3	Sharkey-Dundee-Tunica	Low	Poorly drained	Yes	Yes	No	Fair	Yes
8.7	Commerce-Bruin-Tunica	Low	Poorly drained	No	Yes	No	Fair	Yes

TABLE C-1 (continued)
Soil Associations Crossed by the Proposed East Texas to Mississippi Expansion Project Pipeline Facilities

Cumulative Length Crossed (miles)	Soil Association	Erosion Potential	Drainage Class	Hydric Soil	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
1.6	Commerce-Robinsonville-Crevasse	Low	Moderately drained	Yes	No	No	Good	Yes
10.8	Memphis-Natchez-Collins	Severe	Well drained	Yes	No	No	Poor	No
2.3	Oaklimeter-Ariel-Gillsburg	Low	Moderately well drained	Yes	No	No	Good	No
7.6	Riedtown-Oaklimeter-Ariel	Low	Moderately well drained	No	No	No	Good	Yes
10.4	Memphis-Loring-Collins	Low	Well drained	No	No	No	Good	Yes
3.1	Providence-Smithdale-Saffell	Low	Moderately well drained	No	No	No	Good	No
10.8	Loring-Byram-Grenada	Low	Moderately well drained	No	No	No	Good	Yes
1.5	Guyton-Columbus-Providence	Low	Poorly drained to moderately drained	No	No	No	Good	Yes
0.8	Guyton-Rosebloom-Cahaba	Low	Excessively drained	No	No	No	Poor	No
1.6	Jenna-Mantachie-Kirkville	Low	Well drained (7) Poorly drained (5)	No	No	No	Fair	Yes
4.6	Smithdale-Providence-Collins	Low to moderate	Well drained and moderately well drained	No	No	No	Good	No

Notes:
bgs = below ground surface
NA = not available

APPENDIX C-2
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

APPENDIX C-2

TABLE C-2
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

Facility	MP	Soil Association	Erosion Potential	Drainage Class	Hydric Soil?	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
Compressor Stations									
Carthage Junction Compressor Station	N/A	Cart-Erno complex	Slight	Well drained	Yes	No	No	Fair	Yes
Vixen Compressor Station	99.4	Cadeville association, hilly (Ca)	Slight to moderate	Moderately well drained	No	No	No	Poor	No
Vixen Compressor Station	99.4	Guyton-Rosebloom complex, frequently flooded (Gy) (90% of site)	Slight	Poorly drained	Yes	No	No	Fair	Yes
Tallulah Compressor Station	167.6	Sharkey-Tunica complex, gently undulating (St)	Low	Poorly drained	Yes	Yes	No	Fair	Yes
McComb Compressor Station	N/A	Ora loam, 2 to 5 percent slopes, eroded	Moderate	Moderately well drained	No	No	No	Good	No
McComb Compressor Station	N/A	Ruston fine sandy loam, 8 to 12 percent slopes, eroded (Smithdale)	Low	Well drained	No	No	No	Poor	No
Meter and Regulation Facilities									
Texas Gas M/R Station	112.4	Perry clay, occasionally flooded (Pe)	Slight	Poorly drained	Yes	Yes	No	Poor	No
Columbia Gulf M/R Station	149.4	Sharkey clay (Sc)	Low	Poorly drained	Yes	Yes	No	Fair	Yes

TABLE C-2 (continued)
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

Facility	MP	Soil Association	Erosion Potential	Drainage Class	Hydric Soil?	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
Texas Eastern M/R Station	219.7	Providence silt loam, 5 to 8 percent slopes, eroded (PoC2)	Low	Moderately well drained	No	No	No	Good	Yes
Gulf South M/R Station	238.6	Petal and Smithdale soils, 8 to 15 percent slopes (PD)	Low	Well drained and moderately well drained	No	No	No	Good	No
Enbridge M/R Station	H2.7	Sacul fine sandy loam, 1 to 5 percent slopes (SaC)	Moderate	Poorly drained	No	Yes	No	Fair	Yes
Enterprise M/R Station	H3.3	Wrightsville-Cart complex (Wt)	Low	Moderately well drained	Yes	No	No	Good	Yes
Valves and Other Facilities									
Mainline valve	0.0	Metcalf silt loam (Mc)	Slight	Somewhat poorly drained	No	No	No	Good	Yes
Mainline valve	19.5	Kolin silt loam, 1 to 5 percent slopes (Ko)	Slight	Moderately well drained	No	No	No	Good	Yes
Launcher/ receiver site	38.4	Malbis fine sandy loam, 3 to 8 percent slopes (MgD)	Slight	Moderately well drained	No	No	No	Good	Yes
Mainline valve	56.4	Beauregard silt loam, 1 to 3 percent slopes (BaB)	Slight	Moderately well drained	No	No	No	Good	Yes

TABLE C-2 (continued)
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

Facility	MP	Soil Association	Erosion Potential	Drainage Class	Hydric Soil?	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
Mainline valve	70.0	Frizzell-Guyton silt loams, 0 to 2 percent slopes (FzB)	Slight	Frizzell: somewhat poorly drained Guyton: poorly drained	Yes (Guyton)	No	No	Fair	Yes
Mainline valve	84.6	Sacul fine sandy loam, 5 to 20 percent slopes (SCE)	Slight	Moderately well drained	No	No	No	Good	No
Launcher/ receiver site	99.4	Cadeville association, hilly (Ca)	Slight to moderate	Moderately well drained	No	No	No	Poor	No
Side valve	112.4	Perry clay, occasionally flooded (Pe)	Slight	Poorly drained	Yes	Yes	No	Poor	No
Mainline valve	112.4	Perry clay, occasionally flooded (Pe)	Slight	Poorly drained	Yes	Yes	No	Poor	No
Mainline valve	129.8	Necessity-Gilbert silt loams, gently undulating (Ng)	Slight	Poorly drained	Yes	No	No	Necessity – good; Gilbert - fair	Yes
Side valve	141.4	Calhoun silt loams (Ca)	Slight	Poorly drained	No	No	No	Fair	Yes
Mainline valve	149.4	Sharkey clay (Sc)	Low	Poorly drained	Yes	Yes	No	Fair	Yes
Mainline valve	150.4	Sharkey clay (Sc)	Low	Poorly drained	Yes	Yes	No	Fair	Yes
Launcher/ receiver site	167.6	Sharkey clay (Sc), frequently flooded	Low	Poorly drained	Yes	Yes	No	Fair	No

TABLE C-2 (continued)
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

Facility	MP	Soil Association	Erosion Potential	Drainage Class	Hydric Soil?	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
Mainline valve	182.0	Commerce silt loam (Cm)	Low	Poorly drained	No	No	No	Good	Yes
Side valve	185.5	Commerce silty clay loam (Co)	Low	Moderately drained to poorly drained	Yes	Yes	No	Good	Yes
Mainline valve	191.6	Memphis and Natchez silt loams, 17 to 40 percent slopes, eroded (MnF2)	Severe	Well drained	Yes	No	No	Very poor	No
Side valve	193.6	Memphis and Natchez silt loams, 12 to 17 percent slopes, severely eroded (MnE3)	Severe	Well drained	Yes	No	No	Poor	No
Side valve	207.1	Memphis silt loam, 5 to 8 percent slopes, eroded (MeC2)	Low	Well drained	No	No	No	Good	No
Mainline valve	207.1	Memphis silt loam, 5 to 8 percent slopes, eroded (MeC2)	Low	Well drained	No	No	No	Good	No
Side Valve	219.7	Providence silt loam 5 to 8 percent slopes, eroded (PoC2)	Low	Moderately well drained	No	No	No	Good	Yes
Mainline valve	225.3	Loring silt loam, 2 to 5 percent slopes, eroded (LoB2)	Low	Moderately well drained	No	No	No	Good	Yes

TABLE C-2 (continued)
Soil Associations Located at the Proposed East Texas to Mississippi Expansion Project Aboveground Facilities

Facility	MP	Soil Association	Erosion Potential	Drainage Class	Hydric Soil?	Severe Compaction Potential	Shallow Bedrock (<60 inches bgs)	Revegetation Potential	Prime Farmland
Side valve	227.9	Grenada silt loam 2 to 5 percent slopes (GrB)	Low	Moderately well drained	No	No	No	Good	Yes
Receiver	H0.0	Kirvin fine sandy loam, 1 to 8 percent slope (Kf)	Low	Well drained and moderately well drained	No	No	No	Good	Yes
Launcher	H3.3	Wrightsville-Cart complex (Wt)	Low	Moderately well drained	Yes	No	No	Good	Yes

Notes:
bgs = below ground surface