

**Table 4-1. Hydrostratigraphic and Corresponding Site-Specific Units at the Bulk Fuels Facility**

Regional Unit (Depositional Facies)	Site-Specific Zones	Litho-Stratigraphic Zones	Description	Thickness	Approximate Depth Interval
<b>USF-1</b> (Distal Alluvial Piedmont fan deposits from the Sandia uplift)		Fine Zone -1	Thick discontinuous intervals of silt (ML) and silty or sandy clays (CL) with minor lean clays (CL)	74' to 94'	surface to ≈ 86' bgs
<b>Transition Zone</b> (Inter-tongued USF-1 and USF-2)	Upper Transition sands (USF-2)	Sand Zone - 1	Poorly graded sand (SP) buff colored, fine-grained	15' to 25'	≈ 86' bgs to ≈ 107' bgs
	Upper Transition fines (USF-1)	Fine Zone -2	Primarily silty, sandy, and lean clays (CL) with minor silt (ML) zones	13' to 25'	≈ 107' bgs to ≈ 125' bgs
	Lower transition sands (USF-2)	Sand Zone - 2	Poorly graded sand (SP) buff colored, fine-grained	3' to 15'	≈ 125' bgs to ≈ 140' bgs
	Lower transition fines (USF-1)	Fine Zone - 3	Primarily silty, sandy, and lean clays (CL)	0' to 10'	≈ 140' bgs to ≈ 144' bgs
<b>USF-2</b> (Stacked sequence of braided river-channel deposits [ancestral Rio Grande] and inter-bedded fine-to-medium-grained sediments of diverse origin)	Upper Ancestral Rio Grande deposits	Sand Zone - 3	Poorly graded fine-grained sands (SP) and well-graded fine to coarse-grained sands (SW) buff colored, with trace of gravels	117' to 140'	≈ 144' bgs to ≈ 270' bgs
	Clay Zone	Clay Zone	Lean clay (CL) brown, moist to wet, very stiff with minor sandy and silty clay (CL)	0' to 15'	≈ 270' bgs to ≈ 280' bgs
	Lower Ancestral Rio Grande deposits	Sand Zone - 4	Poorly graded fine-grained sands (SP) and well-graded fine to coarse-grained sands (SW) buff colored, with higher fraction of gravel (GW) and fine-grained (GM) zones	>137'	≈ 280' bgs to > 517' bgs

Source: CH2M Hill, 2001

bgs = below ground surface  
ft = feet

**THIS PAGE INTENTIONALLY LEFT BLANK**