Delta

Environmental Consultants, Incorporated

PROJECT NO:	PTKM-010-4	CLIENT:	KMLT Linnton Terminal
LOGGED BY:	KAJ	LOCATION:	Portland, Oregon
DRILLER:	Cascade	DATE DRILLED:	4/5/2005
DRILLING METHOD:	HSA	HOLE DIAMETER:	8.5-inch O.D.
SAMPLING METHOD:	SPT	HOLE DEPTH:	31.5 feet
CASING TYPE:	PVC	WELL DIAMETER:	2-inch
SLOT SIZE:	.020-inch	WELL DEPTH:	30 feet
GRAVEL PACK:	8 x 12	CASING STICKUP:	Flush

BORING/WELL NO: MW-25

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LOCATION MAP

PORSF
11.3.18.1
V6

See Figure 2

ELEVATION	NORTHING	EASTING

Well Completion: Backfill, Casing

Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
							GP	Poorly graded GRAVEL;
							SP	Poorly graded SAND, medium to dark brown, soft, with some cobbles (2" to 10" cobbles)
	Damp			1				90% medium sand, 10% gravel, 5% cobbles
				2				
				3				
				4				
				5				
			15 22 24	6				
	Moist	0.7						Poorly graded SAND with gravel, dark brown to black
				7				50% medium sand, 50% well-graded gravel
				8				
				9				
				10				
			50 for 6"	11				
		-						No recovery (rock)
				12				
	Moist							grades medium sand, gray, moist, firm
				13				
				14				
				15				
			15 20 17					
	Moist	283		16				
				17				
				18				
▽ 04/05/05	Wet SAT						SM	Silty SAND
				19				
				20				
	Wet	220	12 50 for 4"				ML	Sandy SILT, gray, firm, with trace organic material
				21				65% silt, 30% fine sand, 5% organic material (twigs)
				22				

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BENTONITE

SAND

USEPA SF

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See Figure 2

ELEVATION	NORTHING	EASTING

Well Completion (Backfill / Casing)	Static Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
SAND					23				
					24				
					25			ML	SILT, gray, firm, with trace organic material
		Wet	125	40 50 for 6"	26				95% silt, 5% organic material (twigs)
					27				
					28				
					29				
					30				grades mottled gray and medium brown with
		Wet	4.6	10 6 8	31				trace clay fines
					32				Bottom of Boring at 30 feet bgs Sampling Terminated at 31.5 feet bgs
					33				
					34				
					35				
					36				
					37				
					38				
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					44				