KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	B30-01F	CLIENT:	KMEP Linnton Terminal
LOGGED BY:	NWH	LOCATION:	Portland, Oregon
DRILLER:	Cascade	DATE DRILLED:	1/15/2002
DRILLING METHOD:	HSA	HOLE DIAMETER:	10-inch O.D.
SAMPLING METHOD:	D&M	HOLE DEPTH:	29 feet
CASING TYPE:	PVC	WELL DIAMETER:	2-inch
SLOT SIZE:	.010-inch	WELL DEPTH:	27.5 feet
GRAVEL PACK:	10 x 20	CASING STICKUP:	Flush

BORING/WELL NO: MW-9

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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 crushed GRAVEL (3/4-inch minus)
					1			ML	SILT; brown, 90% silt, 10% sand
			16		2				Gravelly SILT; gray, 70% silt, 20% gravel, 10% medium to fine sand
					3				
					4			SP	Poorly graded SAND; brown, medium to fine sand
BENTONITE		moist	7	9 50/6"	5				
					6				
					7				
					8				
					9				
		moist	9	17 22 23	10				
					11				
					12				
					13				
	######				14			ML	SILT; gray, 90% silt, 10% sand, low plasticity
10 X 20 SAND	▼			6	15				
	▽	wet	16	6 5	16				
	######				17				
					18				
					19				
				6 10	20				
				11	21				
		wet	55	11 25	22				SILT with sand; gray, 85% silt, 15% sand, low plasticity

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
10X20 Sand				25	23			ML	
					24				
				12	25				(grades brown in color)
		wet	4	6	26				
				7	27				
				10					
		wet	0	11	28				
				9	29				Bottom of boring at 29 feet
					30				
					31				
					32				
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				