KHM

ENVIRONMENTAL MANAGEMENT INCORPORATED

PROJECT NO:	B30-01F	CLIENT:	KMEP Linnton Terminal	BORING/WELL NO:	MW-12
LOGGED BY:	NWH	LOCATION:	Portland, OR	PAGE 1 OF 2	
DRILLER:	Cascade	DATE DRILLED:	1/16/2002	LOCATION MAP	PORSF 11.3.18.1 V6
DRILLING METHOD:	HSA	HOLE DIAMETER:	10-inch		
SAMPLING METHOD:	D&M	HOLE DEPTH:	31.5 feet		
CASING TYPE:	PVC	WELL DIAMETER:	2-inch		
SLOT SIZE:	.010-inch	WELL DEPTH:	30 feet		
GRAVEL PACK:	10x20	CASING STICKUP:	Flush		See Figure 2
ELEVATION		NORTHING		EASTING	

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									Concrete, 9-inches
					1			SP	Poorly graded SAND with gravel, brown, 80% sand, 20% gravel
		Moist	56		2			SP	Poorly graded SAND, medium to fine, trace silt
					3				
					4				(grades to gray at four feet)
				12	5				
		Moist	16	12	6				
				11					
Bentonite					7				
					8				
					9				
				10	10				(wood debris and 1 to two inch silt layers at 10 feet)
		Moist	570	9	11				
				7					
					12				
					13				
					14				
				19	15				
		Moist	177	14	16				
	▼			22					
10X20 Sand	######				17				
					18				
					19				
					20				
	▽			6					
	######	Wet	58	9	21				(wood debris, up to 10% of sample volume)
				15					
					22				

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LOCATION MAP

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
10X20 Sand					23				
					24				
		Wet	163	6 7 9	25			SP	
					26				
					27				
					28				
					29			ML	SILT with sand; gray, 80% silt, 20% fine sand, brown mottle
		Wet	48	3 4 6	30				
					31				
					32				Bottom of Boring at 31.5 feet
					33				
					34				
					35				
					36				
					37				
					38				
					39				
					40				
					41				
					42				
					43				
					44				