GRAYWATER SYSTEM:

PERCOLATION TESTING WORKSHEET

Project Address: _____

Date: _____ Test Hole No.: _____ Pre-soaked overnight? YES NO

PERCOLATION TESTING INSTRUCTIONS

1. Dig a 12-inch diameter test hole to the bottom depth (at least 12 inches deep) of each disposal field.
2. In each test hole, securely place a wooden stake that is marked at quarter-inch intervals.
3. Lay a few inches of clean gravel in the bottom of the test hole and pre-soak overnight.
4. Fill the test hole with water to at least 8-10 inches above the gravel.
5. Record twelve water level measurements at 30-minute intervals for six hours. *If two consecutive measurements drop faster than six inches in 25 minutes, record at 10-minute intervals.*
6. Re-fill immediately after each measurement to the initial fill level.
7. Use the final percolation rate result to determine the soil absorption rate for the disposal field.

	WATER LEVEL (to the nearest ¼-inch) START TIME: _____ AM / PM			PERCOLATION RATE CALCULATION				
	FILL LEVEL	DROP LEVEL	TIME	ELAPSED MINUTES	÷	INCHES DROPPED	=	PERC. RATE (min/inch)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

If the final percolation rate is...		then, the soil absorption rate is...
less than 5	minutes per inch	not allowed -- too fast
5 - 11	minutes per inch	0.20 square feet per gpd
12 - 17	minutes per inch	0.25 square feet per gpd
18 - 23	minutes per inch	0.40 square feet per gpd
24 - 47	minutes per inch	0.60 square feet per gpd
48 - 59	minutes per inch	0.90 square feet per gpd
60	minutes per inch	1.20 square feet per gpd
more than 60	minutes per inch	not allowed -- too slow

OWNER AND/OR CONTRACTOR REMAINS FULLY RESPONSIBLE FOR ALL PERMITTING, DESIGN, INSTALLATION AND MAINTENANCE REQUIREMENTS