

## APPENDIX D

**TAPE General Use Level Designation Approvals for Phosphorus**

<b>Product</b>	<b>Approval Date</b>	<b>Approved Loading Rate</b>	<b>Mean Total Phosphorus Removal Efficiency</b>	<b>LCL95 Total Phosphorus Removal Efficiency</b>	<b>Avg. Influent Concentration (mg/L)</b>
MWS-Linear	Apr-14	1 gpm/sq ft	65%	58%	0.1 to 0.5
Filterra	Mar-14	1 gpm/sq ft	72.6%	66%	0.11 to 0.52
Perk Filter	Apr-10	1.5 gpm/sq ft	62.4%	not reported	0.1 to 0.5

### TAPE General Use Level Designation Approvals for TSS

Product	Approved Loading Rate	*Mean Total Suspended Solids Removal Efficiency
MWS-Linear	1 gpm/sq ft	85%
Filterra	1 gpm/sq ft	85.0%
Perk Filter	1.5 gpm/sq ft	85.2%

\* for concentrations greater than 100 mg/L

**TAPE Ortho-Phosphorus Data**

<b>Product</b>	<b>Approval Date</b>	<b>Mean Ortho-Phosphorus Removal Efficiency</b>	<b>Avg. Influent Concentration (mg/L)</b>	<b>Avg. Effluent Concentration (mg/L)</b>
MWS-Linear	Apr-14	66.7%	0.093	0.031
Filtterra	Mar-14	Non-detectable concentrations in 2013 testing. Quote from 2008-2009 field testing, "It appears that the Filtterra® system will not meet the 50 percent removal performance goal when you expect the majority of phosphorus in the runoff to be in the dissolved form."		
Perk Filter	Apr-10	not reported	not reported	not reported