

Western Washington Treatment Options

Pretreatment Options	Basic Treatment Options (solids removal)	Enhanced Treatment Options	Oil and Grease Treatment Options	Phosphorus Control
Presettling Basin	Biofiltration Swales	Infiltration with Pretreatment	API Oil-Water Separator	Infiltration with Pretreatment
CONTECH Vortechs (GULD)	Bioinfiltration Swales	Large Sand Filter	Coalescing Plate Separator	Large Sand Filter
Aquashield AquaSwirl (GULD)	Infiltration	Amended Sand Filter	Linear Sand Filter	Amended Sand Filter
HydroInternational Downstream Defender (GULD)	Filter Strips	Stormwater Treatment Wetland	Aquashield Aquafilter System (PULD)	Large Wetpond
Stormceptor (GULD)	Basic Wetpond	Compost Amended Filter Strip	Americast filterra (PULD)	Biofiltration Swale + Basic Sand Filter or Sand Filter Vault
Contech CDS Stormwater Treatment System (GULD)	Wetvault	Bioretention / Raingarden	Royal Environmental Systems ecoSep (PULD)	Filter Strip + Linear Sand Filter
BaySaver Technologies BaySeparator (CULD)	Combined Detention/Wetpool	Biofiltration Swale + Basic Sand Filter or Sand Filter Vault or Media Filter		Linear Sand Filter + Filter Strip
Environment 21 V2B1 Treatment System	Sand Filters	Filter Strip + Linear Sand Filter		Basic Wetpond + Basic Sand Filter or Sand Filter Vault
	Stormwater Treatment Wetland	Linear Sand Filter + Filter Strip		Wetvault + Basic Sand Filter or Sand Filter Vault
	CONTECH Stormfilter(GULD)(ZPG media)	Basic Wetpond + Basic Sand Filter or Sand Filter Vault or Media Filter		Wetvault + Basic Sand Filter or Sand Filter Vault
	Contech CDS Media Filtration (GULD)	Wetvault + Basic Sand Filter or Sand Filter Vault or Media Filter		Basic Wetpond + Basic Sand Filter or Sand Filter Vault
	WSDOT Media Filter Drain (GULD)	Basic Combined Detention / Wetpool + Basic Sand Filter or Sand Filter Vault or Media Filter		Basic Combined Detention and Wetpool + Basic Sand Filter or Sand Filter Vault
	Aquashield Aquafilter System (PULD)	Basic Sand Filter or Sand Filter Vault (with presettling if no detention) + Media Filter		Stormwater Treatment Wetland + Basic Sand Filter or Sand Filter Vault
	Americast filterra (CULD)	WSDOT Media Filter Drain (GULD)		Ecology Embankement (GULD)
	Royal ecoStorm plus (PULD)	Aquashield Aquafilter System (PULD)		Aquashield Aquafilter System (PULD)
	Kristar FloGard Perk Filter® (PULD)	Americast filterra (PULD)		Americast filterra (CULD)
	BaySaver Technologies BayFilter (PULD)			
	Bioretention/rain garden			
	Jellyfish Filter (PULD)			
	Silva Cells			
	HydroInternational, Inc. Up-Flo Filter (PULD)			

PULD (Pilot Use Designation) PULD technologies may be installed provided that the vendor and/or developer agree to conduct field testing based on the TAPE at all installations. Governments covered by a municipal stormwater NPDES permit must notify Ecology when a PULD technology is proposed (form is available in TAPE documentation). Use is subject to the use level designation conditions.

Eastern Washington Treatment Options				
Pretreatment Options	Basic Treatment Options	Enhanced Treatment Options	Oil and Grease Treatment Options	Phosphorus Control
Presettling Basin	Surface Infiltration (Ponds, Trenches, Swales)	Infiltration with Pretreatment	API Oil-Water Separator	Infiltration with Pretreatment
CONTECH Vortechs (GULD)	Biofiltration Swales	Infiltration Treatment (Per 5.4)	Coalescing Plate Separator	Infiltration (per 5.4)
Aquashield AquaSwirl (GULD)	Biofiltration Swales	Basic Treatment Before Infiltration	Catch Basin Inserts	Basic Treatment Before Infiltration
HydroInternational Downstream Defender (GULD)	Vegetated Filter Strip	Metals Treatment Before Infiltration	Bio-Infiltration Swales	Phosphorus Treatment Before Infiltration
Stormceptor (GULD)	Basic Wetpond	Large Sand Filter	Sand Filter	Amended Sand Filter
Contech CDS Stormwater Treatment System (GULD)	Large Wetpond	Amended Sand Filter	Aquashield Aquafilter System (PULD)	Large Wetpond
BaySaver Technologies BaySeparator (CULD)	Wetvault	Biofiltration Swale + Basic Sand Filter or Sand Filter Vault or Media Filter	Americast filterra (PULD)	Biofiltration Swale + Basic Sand Filter or Sand Filter Vault
Environment 21 V2B1 Treatment System	Combined Detention/Wetpool	Filter Strip + Linear Sand Filter	Royal Environmental Systems ecoSep (PULD)	Filter Strip + Linear Sand Filter
	Sand Filters	Linear Sand Filter + Filter Strip		Linear Sand Filter + Filter Strip
	Evaporation Pond	Basic Wetpond + Basic Sand Filter or Sand Filter Vault or Media Filter		Basic Wetpond + Basic Sand Filter or Sand Filter Vault
	Stormwater Treatment Wetland	Wetvault + Basic Sand Filter or Sand Filter Vault or Media Filter		Wetvault + Basic Sand Filter or Sand Filter Vault
	CONTECH Stormfilter (GULD) ZPG media	Basic Combined Detention / Wetpool + Basic Sand Filter or Sand Filter Vault or Media Filter		Basic Wetpond + Basic Sand Filter or Sand Filter Vault
	CDS Media Filtration (GULD)	Basic Sand Filter or Sand Filter Vault (with presettling if no detention) + Media Filter		Basic Combined Detention and Wetpool + Basic Sand Filter or Sand Filter Vault
	WSDOT Media Filter Drain (GULD)	Ecology Embankment (GULD)		Ecology Embankment (GULD)
	Aquashield Aquafilter System (PULD)	Aquashield Aquafilter System (PULD)		Aquashield Aquafilter System (PULD)
	Americast filterra (CULD)	Americast filterra (PULD)		Americast filterra (CULD)
	Royal ecoStorm plus (PULD)			
	Kristar FloGard Perk Filter® (PULD)			
	BaySaver Technologies BayFilter (PULD)			
	Jellyfish Filter (PULD)			
	Hydro Intern Inc. Up-Flo Filter (PULD)			

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