

Sil-co-sil 106 - Total Suspended Solids Test (TSS)

Data Trial - 100mg/l*	Trial #1	Trial #2	Trial #3
Influent Sil-co-sil 106 (mg/l)	100.0	100.0	100.0
Effluent Sil-co-sil 106 (mg/l)	17.4	18.2	19.6
% TSS Removal	82.6%	81.8%	80.4%

* Sil-co-sil 106 is Washington State's TSS Bench-Test Evaluation Standard

** Analytical analysis performed by Amtest Laboratories; Method EPA 160.2

*** Influent concentration was based on amount of solid added to solution.

[See Sil-co-sil 106; Manufacturer's Product and Particulate Spec Sheet](#)

Data Trial - 200mg/l*	Trial #1	Trial #2	Trial #3
Influent Sil-co-sil 106 (mg/l)	200.0	200.0	200.0
Effluent Sil-co-sil 106 (mg/l)	35.1	38.4	35.2
% TSS Removal	82.5%	80.8%	82.4%

GOLF COURSE POND WATER - Phosphorus Removal Test

Data Trial #1*	Trial #1	Trial #2	Trial #3
Influent Total Phosphorus (mg/l)	2.59	2.59	2.59
Effluent Total Phosphorus (mg/l)	0.32	0.26	0.42
% Total Phosphorus Removal	87.6%	90.0%	83.8%

* Analytical analysis performed by Amtest Laboratories; Method EPA 365.1

** Pond water collected from a golf course.

*** Soluble Phosphorus Removal Rates Available Upon Request

Data Trial #2*	Trial #1	Trial #2	Trial #3
Influent Total Phosphorus (mg/l)	5.18	5.18	5.18
Effluent Total Phosphorus (mg/l)	0.39	0.40	0.39
% Total Phosphorus Removal	92.5%	92.3%	92.5%

STREET SWEEPER

Total Suspended Solids Test (TSS)

Data Trial - 100mg/l*	Trial #1	Trial #2	Trial #3
Influent TSS (mg/l)	100	100	100
Effluent TSS (mg/l)	6.51	6.47	7.87
% TSS Removal	93.5%	93.5%	92.1%

* Analytical analysis performed by Amtest Laboratories; Method EPA 160.2

** Street runoff samples collected from street sweepers.

*** Influent concentration was based on amount of solid added to solution.

Data Trial - 200mg/l*	Trial #1	Trial #2	Trial #3
Influent TSS (mg/l)	200	200	200
Effluent TSS (mg/l)	8.11	9.82	10.9
% TSS Removal	95.9%	95.1%	94.6%

Copper Removal Test

Data Trial - 100mg/l*	Trial #1	Trial #2	Trial #3
Influent Total Copper (mg/l)	0.067	0.067	0.067
Effluent Total Copper (mg/l)	0.034	0.031	0.033
% Copper Removal	49.3%	54.1%	51.1%

* Analytical analysis performed by Amtest Laboratories; Method EPA 200.7

** Street runoff samples collected from street sweepers.

*** Soluble Copper Removal Rates Available Upon Request

Data Trial - 200mg/l*	Trial #1	Trial #2	Trial #3
Influent Total Copper (mg/l)	0.135	0.135	0.135
Effluent Total Copper (mg/l)	0.035	0.026	0.026
% Copper Removal	74.1%	81%	81%

Zinc Removal Test

Data Trial - 100mg/l*	Trial #1	Trial #2	Trial #3
Influent Total Zinc (mg/l)	0.139	0.139	0.139
Effluent Total Zinc (mg/l)	0.011	0.007	0.009
% Zinc Removal	92.1%	95.0%	93.5%

* Analytical analysis performed by Amtest Laboratories; Method EPA 200.7

** Street runoff samples collected from street sweepers.

*** Soluble Zinc Removal Rates Available Upon Request

Data Trial - 200mg/l*	Trial #1	Trial #2	Trial #3
Influent Total Zinc (mg/l)	0.279	0.279	0.279
Effluent Total Zinc (mg/l)	0.009	0.013	0.008
% Zinc Removal	96.77%	95.34%	97.13%

STREET SWEEPER - Particulate Distribution

Soil Type	CLAY		SILT				SAND				GRAVEL				
Micron Size	<1	1	2	4	8	16	32	63	125	250	500	1000	2000	4000	4750
Data Trial - 100mg/l	1.6%	0.5%	1.0%	1.8%	2.5%	4.3%	3.9%	6.8%	16.9%	14.9%	14.1%	9.4%	9.8%	2.0%	10.5%

All testing models standard flow rate of 360gpm per 60" diameter ecoStorm plus unit.