



FLOW TYPE: *Passive*

Pure Rain™ PASSIVE Stormwater Treatment Box contains either **BiocharBASIC™** or **BiocharPEAT™** Stormwater Filter Medias to capture these unwanted metals and other pollutants. **Pure Rain™ PASSIVE** is designed to be a low cost, good life span filter media for reducing copper, zinc and TSS along with other pollutants from stormwater.

Pure Rain™ PASSIVE Stormwater Treatment Box standard sizes are 275-gallon and 407-gallon tote but other shapes and sizes are available depending on your needs.

Custom sizes and shapes are available to meet the needs and requirements of most sites, including end of pipe, high flow rates.

Pure Rain™ PASSIVE Options:

- Most Common Size is the **48S Tote** (407 Gallon)
- Choice of media:
BiocharBASIC™ BiocharPEAT™ BiocharZAPT™
- Other sizes and shapes available



Stormwater **BIOCHAR**.com

(503) 789-6760

info@Stormwater**BIOCHAR**.com

Metal Removal Solutions

AMERICAN MADE

Design Conductivity Rate

BIOCHAR FILTRATION RATE (275-GAL TOTE) 108 in/hr

Tote Width (ft) = 3.3 Tote Length (ft) = 4.0 Media Conductivity (in/min) = 1.8
Filtration Rate (gpm) = 15.0



FIELD ANALYSIS
Treatment Systems

Simple • Proven • Effective

Pure Rain™ Filtration System 275 Tote | Passive Treatment | Various Locations

**275
TOTE**

Date of Test	Pollutant Tested	PRE Treatment	Unit of Measure	POST Treatment	Unit of Measure	% Change	Amount of Media	24 hr. Rain Event at Test
3/22/18	Copper	21.4	µg/L	ND	µg/L	100%	1 CY	0.3"
3/22/18	Iron	96.9	µg/L	ND	µg/L	100%	1 CY	0.3"
3/22/18	Zinc	29.5	µg/L	ND	µg/L	100%	1 CY	0.3"
3/8/18	Copper	2260	µg/L	311	µg/L	86%	1 CY	0.4"
3/8/18	Iron	16100	µg/L	3280	µg/L	80%	1 CY	0.4"
3/8/18	Lead	2.88	µg/L	2.16	µg/L	25%	1 CY	0.4"
3/8/18	Zinc	314	µg/L	236.0	µg/L	25%	1 CY	0.4"
3/22/18	Copper	13400	µg/L	14.5	µg/L	99.9%	1 CY	0.3"
3/22/18	Iron	152000	µg/L	251	µg/L	99.8%	1 CY	0.3"
3/22/18	Lead	18.4	µg/L	0.207	µg/L	99%	1 CY	0.3"
3/22/18	Zinc	2120	µg/L	9.9	µg/L	99.5%	1 CY	0.3"

Pure Rain™ Filtration System 48S Tote | Passive Treatment

~1.25 CY BiocharPEAT™

**48S
TOTE**

Date of Test	Pollutant Tested	PRE Treatment	Unit of Measure	POST Treatment	Unit of Measure	% Change
3/6/20	Aluminum	4800	µg/L	1800	µg/L	63%
3/6/20	Copper	910	µg/L	2.1	µg/L	100%
3/6/20	Iron	69000	µg/L	240	µg/L	100%
3/6/20	Lead	200	µg/L	0.91	µg/L	100%
3/6/20	Zinc	10000	µg/L	4.4	µg/L	100%
4/22/20	Copper	172	µg/L	1.67	µg/L	99%
4/22/20	Iron	11500	µg/L	228	µg/L	98%
4/22/20	Lead	131	µg/L	1.24	µg/L	99%
4/22/20	Zinc	4310	µg/L	13.1	µg/L	99%

Pure Rain™ Filtration System 44S Tote | Passive Treatment

After More Than **238,500 Gallons** through 1 Cubic Yards of BiocharPEAT™

Date	Gallons Treated	Parameter	Inlet ug/L	Outlet ug/L	% reduction
2/6/20	238,507	Turbidity	500	45	91%
		Copper	0.0398	0.0037	91%
		Zinc	0.533	0.0472	91%
		Phosphorus	1.3	0.261	80%

Stormwater
BIOCHAR.COM
STORMWATER
TREATMENT

MEDIAS:

BiocharBASIC
Stormwater Treatment Filtration Media

BiocharPEAT
Stormwater Treatment Filtration Media

SYSTEMS:

Pure Rain
STORMWATER TREATMENT

**FILTER
SOCKS**

STORMWATER TREATMENT
**CATCH
BASIN
Inserts**

Pure Rain
STORMWATER TREATMENT
**FILTRATION
SYSTEMS**

Stormwater **BIOCHAR** LLC

PHONE

503-789-6760

EMAIL

info@
Stormwater
BIOCHAR.COM

THE RIGHT **BIOCHAR**,
THE RIGHT **BLEND**, DIALED IN.

AMERICAN MADE

Stormwater **BIOCHAR**.COM
Biochar for stormwater treatment since 2010