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STORMWATERx ANNOUNCES RETENU - MODULAR TREATMENT FOR SITES WITH ELEVATED SUSPENDED SOLIDS IN RUNOFF



StormwaterRx recently announced the availability of *Retenu*, a new module to be added at sites where elevated suspended solids are present. Some sites have stormwater runoff and recirculation/reuse ponds, where use of StormwaterRx's highly successful *Clara* unit would serve a redundant function. Runoff from unpaved sites or higher loading industrial sites can most cost effectively be handled using Retenu and Aquip in a treatment train with the *Retenu* roughing filter module for suspended solids and StormwaterRx's Aquip unit for dissolved pollutants. Retenu works synergistically with the downstream *Aquip* filter making it easier and more cost effective to maintain.

Initial results are in for *Retenu* performance, which can be found in the table below. RT Environmental Services, Inc. is pleased to announce that a *Retenu* unit is ready to be delivered to the East Coast, to be installed at an auto shredder and salvage facility near Washington D.C.

Total Suspended Solids Removal

Sample Set	Influent (mg/L)	Effluent (mg/L)	Removal Efficiency (%)
#1	39.5	13	67
#2	32.2	11.1	66
#3	71.4	11.1	84
#4	81.8	12.9	84
Ave	56.2	12	79

Average Particle Size Distribution of Four Samples

	<u>Removal Efficiency</u>	Influent	Effluent

Particle Size		% of Total	% of Total
>60	99%	12%	1%
40 - 60	96%	29%	5%
20 - 40	85%	4%	3%
11 - 20	90%	5%	3%
5 - 11	66%	47%	85%
1.5 - 5	80%	3%	3%

Retenu can be used stand-alone, or as pretreatment to the [Aquip Enhanced Stormwater Filtration System](#) or [Purus Polishing System](#).

- Fully automated
- Ideal for heavy industrial applications
- Treatment flow rates from 20 to 500 gpm
- Allows downsizing or more effective performance of downstream treatment systems

Retenu's fully automated and chemical-free treatment process uses filtered stormwater for back-washing, flushing out accumulated dirt and concentrating the solids. This process reduces the concentration of particulates in the effluent, rapping them in a concentrated form that can be more easily handled. *Retenu* is available in several standard sizes and can be integrated with any of the other StormwaterRx treatment BMPs.

As the nation's focus on improved stormwater quality grows, *StormwaterRx's* modules have received increase attention as they offer:

- Standardized selection of treatment modules and sizing, minimizing design costs and lead time.
- Units designed specifically for industrial stormwater service, with state of the art bypass/pollution retention features not available in conventional wastewater process units.
- Expedited deployment to the site and setup assistance to quickly move from the delivery truck to the "online" mode.

For more information, you can go to:

- RT Environmental Services, Inc. [website](#)
- Justin Lauterbach, jlauterbach@rtenv.com, 215 909-0056
- Lisa Mascara, lmascara@rtenv.com

More information on the *Retenu* treatment unit is also available at:
[Stormwaterx's Retenu Homepage](#)

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