



Industrial Water

Waste Water



Introduction

Treating industrial wastewater typically involves collection, filtration, chemical treatment, settling and disposal. The disposition of this water, prior to its disposal, can trigger significant costs surcharges (usually based on BOD, COD and phosphate levels).

Integrating ProMoss™, and a Breakaway® Air Scour regimen into wastewater treatment can effectively and efficiently improve wastewater contamination levels. To accomplish this, the system:

- Removes Organic Contamination in Filter Media
- Increases Filtration Efficiency by Breaking Up Media Particles
- Reduces Water Usage and Waste
- Increases Media Life
- Reduces Organic Contamination in Filters, Pipes, and System Components

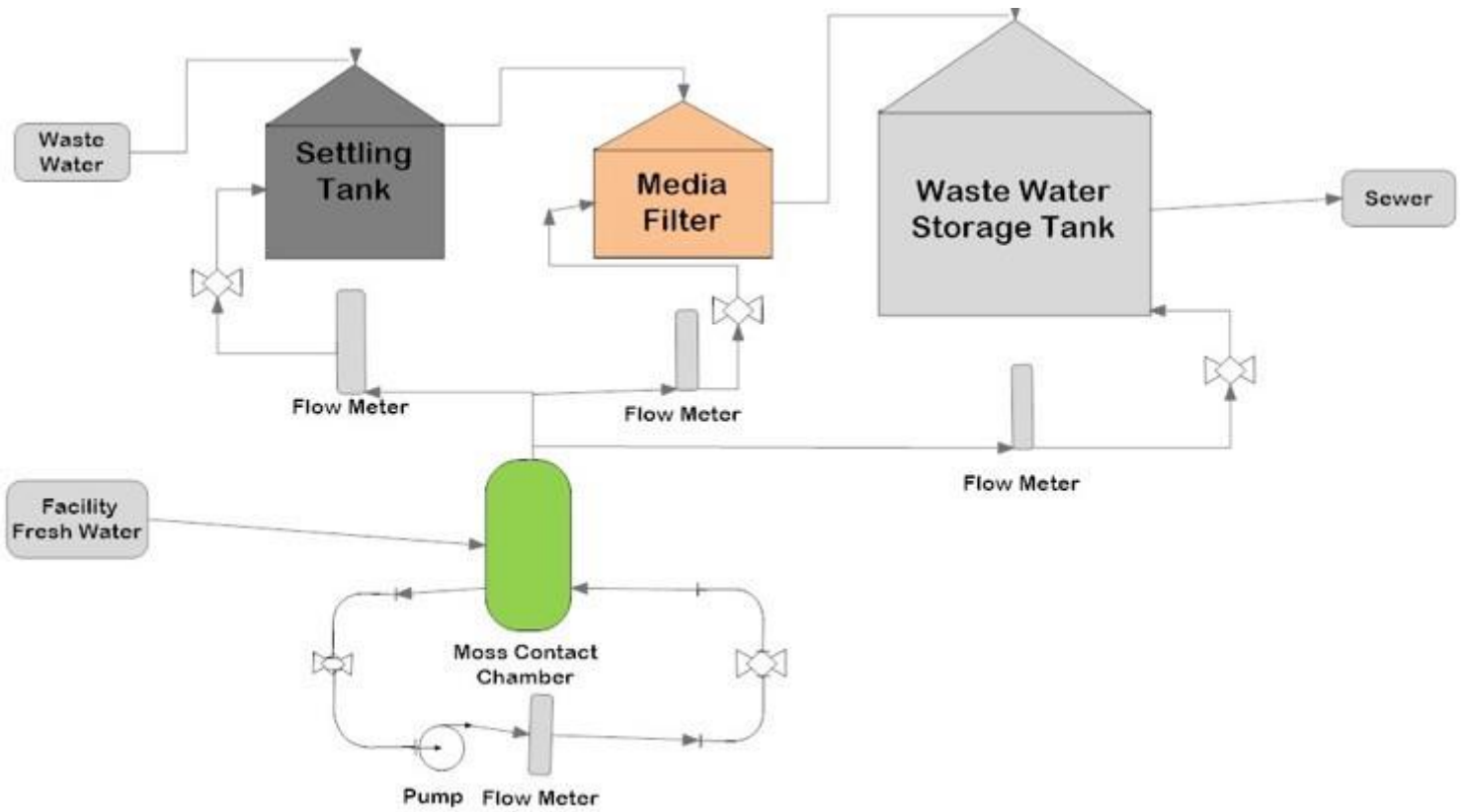
Organic contamination reduces filtration efficiency by “gluing” media particles together, which counteracts system flow and particle capture. This leads to those increased impurity levels and costly surcharges.

ProMoss™ wastewater treatment begins with the Canadian Moss Solutions Breakaway® Air Scour process, which delivers air (through the outflow of the filter) to breakup media particles glued together by organic contamination. Cycling Breakaway® into the process cleans each media particle, which facilitates removal of organic contamination by backwashing. The results are more effective filtration, reduced need for backwashing, and decreased amounts of trapped organic contamination within the filter media. Once installed, repeated Breakaway® Air Scour treatment requires only an hour per filter.

ProMoss™ treatment of system wastewater is accomplished using the appropriate contact chamber. A ProMoss™ chamber can be simply placed in an accessible weir or tank. When this is not possible, an offline contact chamber (with a circulation pump) will treat water in holding tanks or ponds.



Waste Water Treatment System



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