

SUBJECT: SUSPENDED SOLIDS REMOVAL

The SNOUT system will have a positive impact on the reduction of suspended solids. The total efficiency of removal will vary depending on the nature of the solids found in the stormwater runoff and the size distribution of those solids as typified by the native sediment and soils.

As is the case in all stormwater quality improvement designs, the largest particles will be most easily removed and the smaller particles are more likely to stay suspended. Without a detailed analysis of the type and size of the suspended solids entrained in any given storm flow, and the exact parameters of any given installation, the total percent removal is difficult if not impossible to estimate.

However, according to generally accepted engineering practices, the range of theoretical solids reductions will vary widely. For a single SNOUT equipped inlet with a deep sump and proper maintenance, suspended solids removals from 30 to over 50 percent have been shown. Given favorable site conditions, proper maintenance and a multiple structure treatment train, up to 89.5 percent removals could be possible.

Please contact Best Management Products, Inc. if you have further questions.

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Creation Date: 3/23/2012 12:07:00 PM
Change Number: 5
Last Saved On: 3/26/2012 3:38:00 PM
Last Saved By: Lee Duran
Total Editing Time: 8 Minutes
Last Printed On: 3/28/2012 1:28:00 PM
As of Last Complete Printing
Number of Pages: 1
Number of Words: 208
Number of Characters: 1,114