

SOUTH DAVIS SEWER DISTRICT PILOT STUDY



Head to Head Comparison		
	ACT-MX	SAND
Flow Rate	10-12gpm	10-12gpmt
Filter Run time	6 hr	4 hr
Back Flush (30% bed expansion)	38gpm	44gpm
TSS Percentage removal	80-85%	80-85%
BOD Percentage removal	75-90%	75-90%
Turbidity	83% removal	83% removal

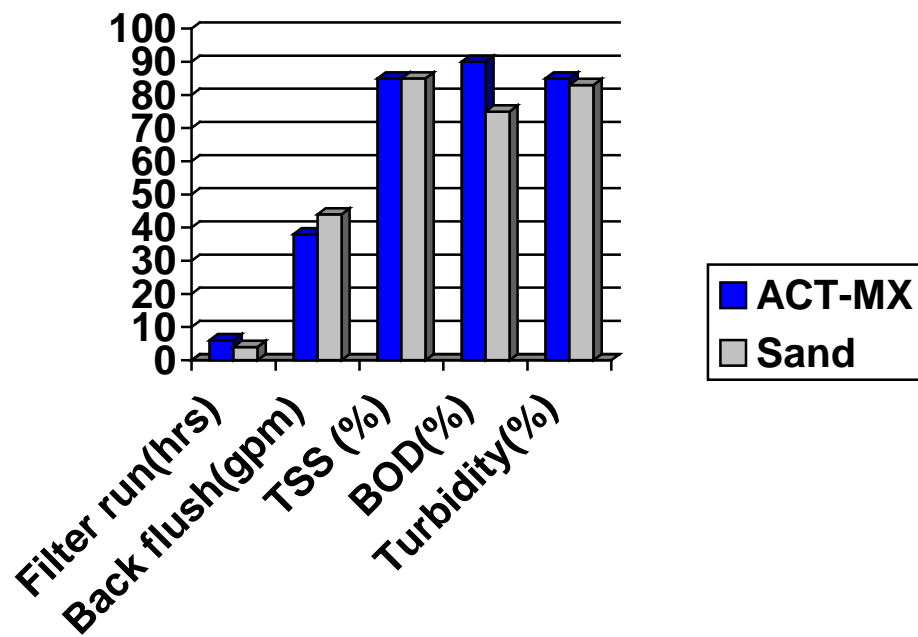
Throughout the world, numerous water filtration designs and systems exist for the purpose of treating or cleaning contaminated water. Sand or media type filtration systems can be greatly enhanced by selecting the most effective type of media for use within the system. As filtration technology continues to evolve, ES Filter keeps pace by providing top-of-the-line filtration media to work within specific applications.

ES Filter and South Davis Sewer District ran a pilot study to compare ACT-MX filter media with Quartz Sand. The advantages of the ACT-MX were immediately recognized by South Davis' own Dal Wayment, *"It is a no brainer to use the ACT-MX media. It performs every bit as well as sand and in most instances better. It is also locally available and lightweight allowing for lower costs in shipping and maintenance."*

ACT-MX filtration media from ES Filter is a manufactured lightweight ceramic media that provides benefits that standard sand media do not. Some of these benefits include:

- Higher service flows and longer filter runs.
- ACT-MX media's unique gradation and hardness ensures consistency in performance reliability
- ACT-MX media may be used as a mono media or may be combined with other filtration media in multi-media filter system
- High filtration efficiency (less water during backwash compared to sand filters)
- ACT-MX media is engineered to be lightweight to reduce transportation and operating costs
- ACT-MX media's lightweight helps protect filter plenum and reduce maintenance cost

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