



Retrofit Aging Clarifiers to “Like New” with S&L After Market

Cities and municipalities are taking 20+ year old clarifiers and bringing them back to “like new” condition. We can help you too.

Whether the clarifier was originally manufactured by Smith & Loveless or not, we can assist in everything from evaluation of the clarifier, to manufacture of new internal components that fit into the existing clarifier, to site supervision of the retrofit to a total turn-key project. Depending upon your expertise, time and budget, Smith & Loveless After Market can assist.

Customers have found that when they use Smith & Loveless’ construction management team for site supervision of the retrofit using a local contractor, the customer saves time and money because S&L knows how the equipment goes together and how it works - that’s our business.

Common Clarifier Retrofits

- Anti-Rotation Arms
- Skimmer Arms
- Stilling Wells
- Drive Limit Switches
- Scum Beaches
- Bridges & Walkways

Clarifier Types (Any Brand)

- Primary Clarifiers
 - Standard scraper
 - Flocculating scraper
- Secondary Clarifiers
 - Circular or rectangular
 - Standard scraper
 - Flocculating scraper
- Solids Contact CLAR-I-VATOR®



New Clarifier Drives



New Scrapers



New Skimmer Arm

Let Smith & Loveless Retrofit and Site Supervision Team help you rehab and upgrade aging treatment equipment. See the photos below on how we are helping customers prepare their equipment for the next 20+ years.



AFTER: Walls were resurfaced and painted and the scraper arm, skimmer, feelwell, and drive were replaced.



AFTER: Controls were replaced and now tie into district's new SCADA system.



IN PROGRESS: This project resurfaced outer and inner concrete walls and replaced the internal equipment, bridge, peripheral walkways, air header, skimmer arm, feedwell, drive, weirs, and control panel.



IN PROGRESS: Splitter Box, air header, drop pipes, diffuser assemblies, walkways and controls were replaced.



IN PROGRESS: Retrofitting bottom of the effluent trough.



AFTER: Reinforcing rings were added to the clarifier for dewaterability. A new partition, reinforced knee braces and new inlet box were added.



AFTER: New reinforcing ring added to clarifier tank and the tank was recoated. Also as part of the retrofit project, the air header, blowers, drop pipes and diffuser assemblies were replaced.



IN PROGRESS: Retrofitting with dewaterable partitions.