



Filter Remediation Services

Pureflow Filtration Division offers remediation services for existing arsenic, iron, and manganese removal, pressure and gravity, filtration systems. Our field personnel are qualified to inspect / troubleshoot on-line filter systems, perform field pilot filter studies to optimize filter efficiency, and offer recommendations for improvement of filter operation. After review of raw and filtered water quality data, and consultation with our engineering staff, we will offer a proposal to remediate and recommission the filter system. Operator training will be included when required.

Filter remediation can be as simple as adding media (e.g., sand, garnet, anthracite, catalytic adsorptive proprietary media, manganese dioxide media, etc.) or can include the unloading of the existing media, inspecting the filter internals, including upper and lower manifold / lateral assemblies, and the interior coating of the vessel(s). Defective PVC underdrains can be replaced with similar laterals, or with sturdier, 316L stainless steel wedge-wire wrapped laterals.

Additional remediation can include replacement of existing control panel, butterfly valves / electric actuators, pretreatment chemical feed pumps and water quality monitors. A pilot filter study may also provide data to improve the treatment process, select the media best suited for metals removal, and indicate the feasibility of adding a backwash water reclaim system that can recover up to 99.9% of the existing backwash water that is currently disposed to a sewer or pond.



Typical Remediation Services & Products

- Qualified field personnel
- Inspection of filter internals / media
- Replacement of PVC filter underdrains laterals with similar PVC laterals or 316L stainless steel wedge-wire wrapped laterals
- Media replacement including support media, garnet, catalytic adsorptive media, manganese dioxide, etc.
- Control panel replacement
- Butterfly valve / electric actuator replacement
- Chemical feed pumps
- Field pilot filter testing
- Optional backwash water reclaim system (storage tanks, valves, controls)
- Optional backwash water residual solids fluidization and transfer system

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