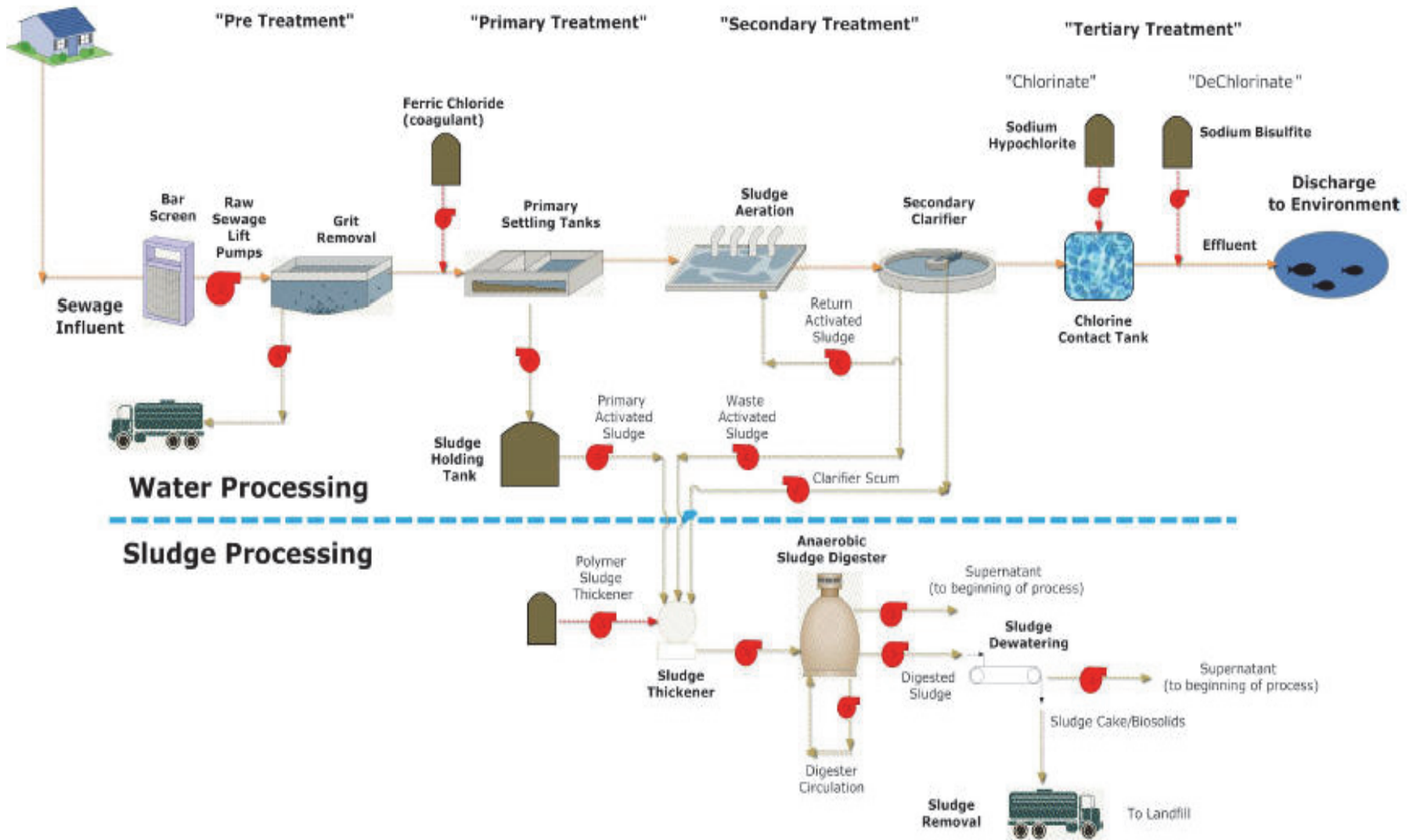


WASTEWATER PROCESS FLOW DIAGRAM



**Activated Sludge Wastewater Treatment System
Pumps from JeffPro**

APPLICATIONS	LOCATION	PUMP TYPES	MANUFACTURER'S
Raw Sewage Lift Pumps-Wet Pit-Submersible	Head Works	Screw Impeller / Non-Clog / Vortex / Grinder / Axial Flow	Verder / Crane / Ruthman
Raw Sewage Lift Pumps-Wet Pit-Non Submersible	Head Works	Screw Impeller / Non-Clog / Vertical Turbine / Axial Flow	Patterson (G-R) / Verder / Crane / Hydroflo (TACO) / Ruthman
Raw Sewage Lift Pumps-Dry Pit	Head Works	Screw Impeller / Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Verder / Crane / Ruthman
Wet Weather Storage Transfer Pumps-Wet Pit-Sub.	Head Works	Screw Impeller / Non-Clog / Dewatering / Axial Flow	Verder / Crane / Ruthman
Wet Weather Storage Transfer Pumps-Wet Pit-Non Sub.	Head Works	Screw Impeller / Non-Clog / Vertical Turbine / Axial Flow	Patterson (G-R) / Verder / Crane / Hydroflo (TACO) / Ruthman
Wet Weather Holding Transfer Pumps-Dry Pit	Head Works	Screw Impeller / Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Verder / Crane / Ruthman
FOG Receiving & Transfer Pumps	FOG Storage Tank(s)	Lobe & Disc PD/Screw Impeller/Disc Rotor/Peristaltic	SSP (Alfa Laval) / Verder / Warrender / Others
Grit Transfer Pumps-Wet Pit-Submersible	Grit Chamber	Screw Impeller / Slurry / Vortex / Disc Rotor	Verder / Ruthman / Hydroflo (TACO) / Warrender
Grit Transfer Pumps-Wet Pit-Non Submersible	Grit Chamber	Screw Impeller / Slurry / Vortex / Disc Rotor / Peristaltic	Verder / Ruthman / Warrender / Others
Grit Transfer Pumps-Dry Pit	Grit Chamber	Screw Impeller / Slurry / Vortex / Disc Rotor / Peristaltic	Verder / Ruthman / Warrender / Others
Primary Sludge Transfer Pumps	Primary Clarifier(s)	Lobe & Disc PD/Screw Impeller/Disc Rotor/Vortex/Peristaltic	SSP (Alfa Laval) / Verder / Warrender / Crane / Ruthman / Others
Mixed Liquor Recycle Pumps-Wet Pit-Submersible	Secondary Clarifier(s)	Screw Impeller / Non-Clog / Axial Flow	Verder / Crane / Ruthman
Mixed Liquor Recycle Pumps-Wet Pit-Non Submersible	Secondary Clarifier(s)	Screw Impeller / Non-Clog / Vertical Turbine / Axial Flow	Patterson (G-R) / Verder / Crane / Hydroflo (TACO) / Ruthman
Mixed Liquor Recycle Pumps-Dry Pit	Secondary Clarifier(s)	Screw Impeller / Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Verder / Crane / Ruthman
RAS Transfer Pumps	Secondary Clarifier(s)	Screw Impeller/Non-Clog/Vortex/Axial Flow/Lobe & Disc PD	Patterson (G-R) / Verder / Crane / Ruthman / SSP (Alfa Laval)
WAS Transfer Pumps	Secondary Clarifier(s)	Screw Impeller/Non-Clog/Vortex/Axial Flow/Lobe & Disc PD	Patterson (G-R) / Verder / Crane / Ruthman / SSP (Alfa Laval)
Clarifier Scum Transfer Pumps	Clarifier(s)	Lobe & Disc PD / Screw Impeller / Disc Rotor / Vortex	SSP (Alfa Laval) / Verder / Warrender / Crane / Ruthman
Effluent Pumps-Wet Pit-Submersible	Plant Discharge	Non-Clog / Vortex / Grinder / Axial Flow	Crane / Ruthman
Effluent Pumps-Wet Pit-Non Submersible	Plant Discharge	Non-Clog / Vertical Turbine / Axial Flow	Patterson (G-R) / Crane / Hydroflo (TACO) / Ruthman
Effluent Pumps-Dry Pit	Plant Discharge	Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Crane / Ruthman
TWAS Transfer Pumps	Thickener/Blend Tank	Lobe & Disc PD / Screw Impeller / Disc Rotor / Vortex	SSP (Alfa Laval) / Verder / Warrender / Crane / Ruthman
Polymer Pumps	Thickener/Blend Tank	Lobe PD / Screw Impeller / Peristaltic	SSP (Alfa Laval) / Verder / Others
Digested Sludge Transfer Pumps	Digester(s)	Lobe & Disc PD / Screw Impeller / Disc Rotor / Vortex	SSP (Alfa Laval) / Verder / Warrender / Crane / Ruthman
Supernatant Transfer Pumps	Digester(s)	Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Crane / Ruthman
Centrate Transfer Pumps	Dewater/Centrifuges	Non-Clog / Self Priming / Axial Flow	Patterson (G-R) / Crane / Ruthman
<p>JeffPro Fluid Solutions, through our manufacturer's, can also provide Process & Utility pumping solutions for potable / plant service / effluent / seal water pressure boosting, protected water systems, sump pump / dewatering / drainage systems, chemical transfer, process sampling, and other applications.</p>			
<p>JeffPro Fluid Solutions represents: Patterson / National Pump Company / AMT (Gorman-Rupp Companies); Crane Pumps & Systems (Barnes / Burks / Deming / Prosser / Weinman); Hydroflo (A TACO Group Company); SSP (Alfa Laval) / Verder; Ruthman (FPI); Grundfos; Others.</p>			