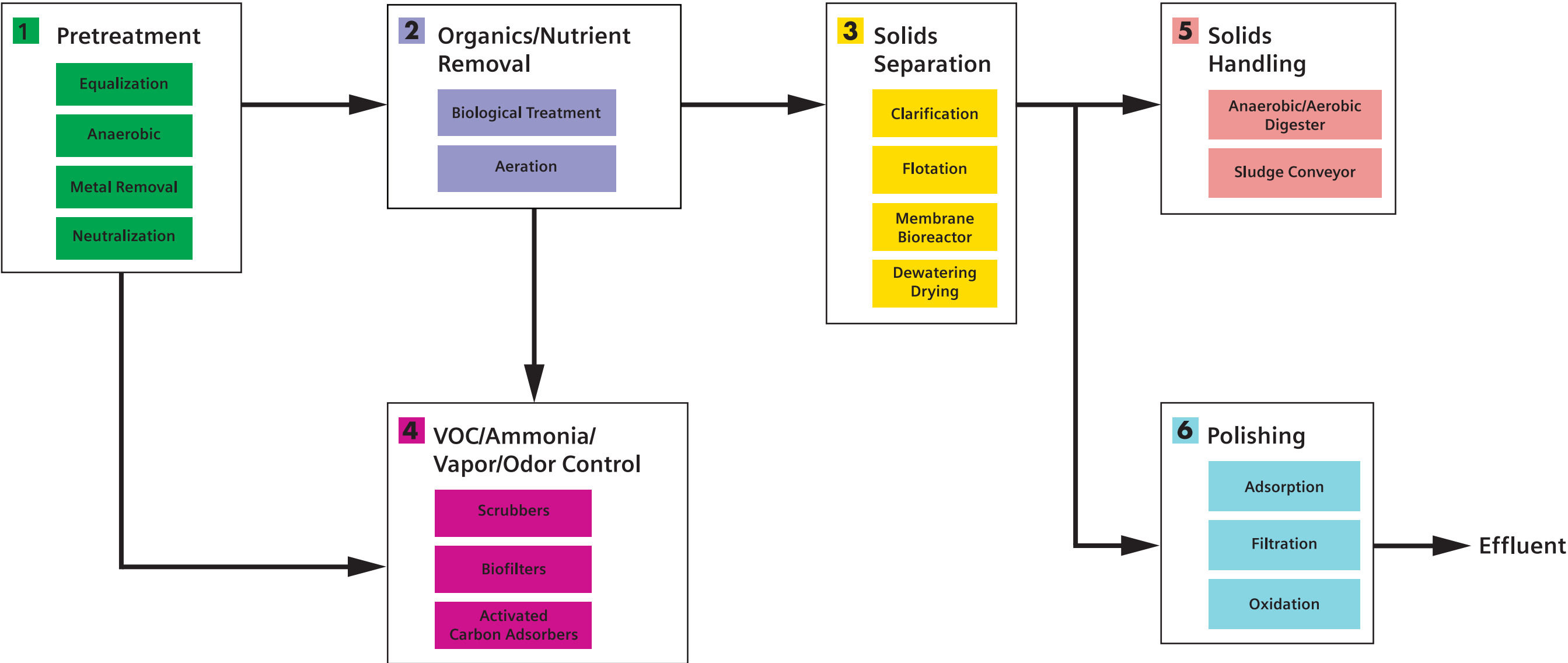


BIOPHARMACEUTICAL WASTEWATER TREATMENT TECHNOLOGIES



- 1 PRETREATMENT**
 Separator
 Chemical Precipitation
 Jet Mixing
 Neutralization
 Anaerobic Treatment
 Primary Clarification
 pH Control
 Wet Oxidation

- 2 ORGANICS/NUTRIENT REMOVAL**
 Activated Sludge
 Coarse Bubble Diffusers
 Denitrification Filter
 Fine Bubble Diffusers
 Jet Aeration
 Sequencing Batch Reactor
 Biological Treatment
 Carbon Treatment
 Wet Air Regeneration
 Rotating Biological Contactor
 Submerged Biological Contactor
 Vertical Loop Reactor

- 3 SOLIDS SEPARATION**
 Belt Filter Press
 Clarifiers
 Dissolved Air Flotation
 Filter Press
 Inclined Plate Separator
 Centrifuge
 Dewatering/Drying System
 Membrane Bioreactor
 Polymer Mixers
 Solids Contact Clarifier
 Thickeners
 Sludge Collector

- 4 VOC/AMMONIA/VAPOR/ODOR CONTROL**
 Activated Carbon Adsorbers
 Air Strippers
 Vapor Scrubber Systems
 Packaged Odor Control
 Biological Odor Control

- 5 SOLIDS HANDLING**
 Gas Storage
 Sludge Reduction System
 Furnaces
 Sludge Dryer
 Anaerobic Digester Mixing
 Polymer Systems
 Sludge Conveyance

- 6 POLISHING**
 Adsorption
 Granular Activated Carbon
 Filtration
 Gravity Filter
 Traveling Bridge Filter
 Sand Filtering
 Membrane Filtration
 Multimedia Filtration
 Reverse Osmosis
 Oxidation
 Oxidation Reduction
 UV/Oxidation

