Facility Useful Life

Appendix S summarizes industry standard useful life for treatment facility components that can be used for life cycle costing, and asset management.
Land
• permanent (if owned outright)
• easements (the life of the easement)

Structures
• 50 years plus or minus — 10 years
• plant buildings, concrete process tankage pump stations, etc

Process Equipment
• Mechanical equipment (pumps, bar screen, etc.) — 15 to 25 years

Electrical Equipment
• MCC, substations, etc. — 15 to 25 years
• Variable frequency drives — 10 to 15 years

Auxiliary Equipment
• Small pump (e.g., seal water pumps) — 10 to 15 years

Conveyance Structures

Sewers
• Vitrified clay pipe sewers  50 to 100 years
• Reinforced concrete sewers  50 to 100 years
• Cement lined ductile iron sewer  50 to 100 years

Force Mains
• Coated steel  30 to 50 years
• Reinforced concrete  30 to 50 years
• Reinforced concrete cylinder pipe  30 to 50 years

Outfalls
• Cement lined ductile iron pipe  50 to 100 years
• Reinforced concrete pipe  50 to 100 years

References
1. Code of Federal Register: 40 CFR Chapter 1 (7-1-00 Edition) foot 35, subpart E, Appendix A