

INFLUENT

Parameter	Weight (%)	IPR- Surface Water Blending	DRP	IPR- Streambed Recharge	IPR- Well Injection (Aquifer Recharge)	Reclaimed Delivery
Environmental Impact	40	3	4	3	3	4
Social Impact	35	4	4	4	4	4
Life Cycle Cost	25	3	3	5	3	4
Total	100	3.35	3.75	3.85	3.35	3.75

SCREENING

Parameter	Weight (%)	Hand Cleaned Coarse Bar Screen	Continuous Belt Bar Screen	Fine Bar Screens
Efficiency (Process Improvement)	25	3	3	4
Sustainability	15	1	4	1
Maintenance and Operation	10	1	4	1
Staffing	10	4	2	4
Feasibility/ Constructability	15	4	2	1
Process Life Cycle Costs	15	4	2	4
Social and Environmental Impacts	10	2	4	4
Total	100	2.8	2.95	2.8

GRIT CHAMBER

Parameter	Weight (%)	Aerated Grit Chamber	Detritus Grit Tank	Horizontal Flow Grit Tank
Efficiency (Process Improvements)	25	3	2	3
Sustainability	15	4	3	1
Maintenance and Operation	10	4	3	1
Staffing	10	3	4	4
Feasibility/ Constructability	15	4	5	5
Process Life Cycle Costs	15	4	4	3
Social and Environmental Impacts	10	4	4	3
Total	100	3.65	3.4	2.9

EQUALIZATION BASIN

	Weight (%)	Side-line Equalization Basin	In-line Equalization Basin
Efficiency (Process Improvements)	25	4	5
Sustainability	15	1	1
Maintenance and Operation	10	4	2
Staffing	10	5	5
Feasibility/ Constructability	15	2	5
Process Life Cycle Costs	15	4	3
Social and Environmental Impacts	10	2	4
Total	100	3.15	3.2

PRIMARY CLARIFIER

Parameter	Weight (%)	Column Support Clarifier	Traction Clarifier
Efficiency (Process Improvements)	25	2	5
Sustainability	15	3	3
Maintenance and Operation	10	4	1
Staffing	10	4	3
Feasibility/ Constructability	15	5	5
Process Life Cycle Costs	15	3	2
Social and Environmental Impacts	10	4	5
Total	100	3.35	3.65

BIOLOGICAL TREATMENT

Parameter	Weight (%)	Membrane Bioreactors	Trickling Filters	Rotating Biological Contactors	Moving Bed Biofilm Reactor
Efficiency (Process Improvements)	25	4	2	3	3
Sustainability	15	3	3	3	4
Maintenance and Operation	10	2	4	4	3
Staffing	10	4	5	4	2
Feasibility/Constructability	15	3	4	4	3
Process Life Cycle Costs	15	3	2	3	2
Social and Environmental Impacts	10	3	2	3	2
Total	100	3.25	3.4	3.5	2.95

ACTIVATED SLUDGE

Parameter	Weight (%)	Conventional Activated Sludge Process	Upflow Anaerobic Sludge Blanket
Efficiency (Process Improvements)	25	3	5
Sustainability	15	2	4
Maintenance and Operation	10	4	3
Staffing	10	3	4
Feasibility/ Constructability	15	2	3
Process Life Cycle Costs	15	2	2
Social and Environmental Impacts	10	3	4
Total	100	2.65	3.70

SECONDARY CLARIFIER

Parameter	Weight (%)	Spiral Scraper Clarifier	Upflow Clarifier	Suction
Efficiency (Process Improvements)	25	5	4	3
Sustainability	15	2	3	5
Maintenance and Operation	10	4	3	3
Staffing	10	4	3	4
Feasibility/ Constructability	15	3	3	2
Process Life Cycle Costs	15	3	3	2
Social and Environmental Impacts	10	3	4	5
Total	100	3.55	3.50	3.45

SAND FILTER

Parameter	Weight (%)	Membrane Filter	Sand Filter
Efficiency (Process Improvements)	25	3	4
Sustainability	15	4	4
Maintenance and Operation	10	2	3
Staffing	10	4	4
Feasibility/ Constructability	15	4	4
Process Life Cycle Costs	15	4	4
Social and Environmental Impacts	10	3	4
Total	100	3.45	3.9

DISINFECTION

Parameter	Weight (%)	UV Disinfectant	Chlorine Disinfection	Peracetic Acid Disinfection	Microalgae
Efficiency (Process Improvements)	25	5	3	4	3
Sustainability	15	4	3	3	4
Maintenance and Operation	10	2	3	4	3
Staffing	10	4	4	3	5
Feasibility/Constructability	15	5	5	3	2
Process Life Cycle Costs	15	5	5	3	4
Social and Environmental Impacts	10	4	3	4	5
Total	100	4.35	3.70	3.45	3.55

SOLID HANDLING

Parameter	Weight (%)	Landfill	Incineration	Land Application
Environmental Impact	40	2	3	4
Social Impact	35	2	3	3
Life Cycle Cost	25	2	1	3
Total	100	2	2.5	3.4