

Waterworks System Assessment Checklist



PLEASE TYPE IN WHITE BOXES

Name of Waterworks	Name of Owner(s)
Environmental Project Officer	Checklist Completion Date
Population: Full-time	Rec Site Attendance/year
Seasonal	

PLEASE PUT AN "X" IN THE YELLOW BOXES THAT APPLY

Source: Groundwater Surface Water Potentially GUDI Confirmed GUDI Treated Surface Water
 Treated Groundwater

Sourcewater Protection Concerns: agricultural industrial municipal natural other

Source/Raw Water Quality Issues (put an "X" in all that apply or exceed Standards & Objectives):

odour	turbidity	Fe	As	Na	TDS	TOC/DOC	other	
colour	alkalinity	Mn	U	Se	SO4	NO3/NO2	other	
taste	hardness	Al	Pb	B	NH3	microbial	other	

Treated/Distributed Water Quality Issues (put an "X" in all that apply or exceed Standards & Objectives):

odour	turbidity	Fe	As	Na	TDS	THMs	free chlorine residual
colour	alkalinity	Mn	U	Se	SO4	NO3/NO2	total chlorine residual
taste	hardness	Al	Pb	B	NH3	microbial	other

Existing Treatment Processes in Place (put an "X" in all that apply):

raw water storage	sequestration	ion exchange	corrosion/scale control
source blending	chem oxidation	dissolved air floatation	chlorine gas
algae control in raw	ozonation	cartridge filtration	sodium hypochlorite (liquid chlorine)
screening	coagulation	multi-media filtration	calcium hypochlorite (powder chlorine)
microscreens	flocculation	greensand filtration	chloramination
aeration	clarification	membrane filtration	UV disinfection
air stripping	adsorption	reverse osmosis	other

Treatment Processes WITH ISSUES (put an "X" in all that apply):

raw water storage	sequestration	ion exchange	corrosion/scale control
source blending	chem oxidation	dissolved air floatation	chlorine gas
algae control in raw	ozonation	cartridge filtration	sodium hypochlorite (liquid chlorine)
screening	coagulation	multi-media filtration	calcium hypochlorite (powder chlorine)
microscreens	flocculation	greensand filtration	chloramination
aeration	clarification	membrane filtration	UV disinfection
air stripping	adsorption	reverse osmosis	other

Other ISSUES with the Waterworks (put an "X" in all that apply):

backwash	raw meter	treated water meter	reservoir vents	safety
backflow prevention	raw intake	distribution pumps	reservoir pipe entry	security
crypto log removal	raw pumps	distribution pipes	floor drainage	system capacity
giardia log removal	raw storage	reservoir structure	truck fill	other
virus log removal	raw pipes	reservoir manway	pail fill	other

Total Cost of Recommended Upgrades

Total System Replacement Cost

Other Comments