

Treatment Facility Type*

Facility Design Criteria	Wastewater Irrigation (non-coastal) 02T .0505	Coastal Wastewater Irrigation (Non-Interim - Publically Owned) 02H .0404	Coastal Wastewater Spray Irrigation (Interim - Privately Owned) 02H .0404	Coastal Wastewater Disposal (Interim - Privately Owned) 02H .0404	Wastewater High-Rate Infiltration 02T .0705	Conjunctive Reclaimed Water Generation (Type 1) 02U .0401	Conjunctive Reclaimed Water Generation (Type 2) 02U .0401	Dedicated Reclaimed Water Generation 02U .0402
Flow equalization (excluding for septic tanks and lagoon treatment)	X	X	X	X	X			X
Tertiary Treatment				X				
Bactericidal Treatment				X				
Multiple pumps	X	X	X	X	X			X
Automatically activated standby power supply	X	X	X	X	X	X	X	X
30 days of residual storage	X	X	X	X	X			X
5 days effluent storage for facilities serving residential facilities	X	X	X	X	X			
Duplicate essential treatment units			X	X		X		X
Enclosed noise and odor control devices			X	X	X			
Dual disinfection systems							X	X
ORC on call 24 hrs/day							X	X
5-Day side-stream detention unit								X

*This table is for general guidance and may not apply to every situation. Design criteria for previously permitted facilities may vary. For more detail, see 15A NCAC 02T, 02H, and 02U.

Effluent Standards	Treatment Facility Type*						
	Non-Industrial Wastewater Irrigation 02T .0505(b)(1)	Lagoon Treatment Wastewater Irrigation 02T .0505(b)(2)	Non-Industrial Wastewater High-Rate Infiltration 02T .0705(b)	Reclaimed Water Generation (Type 1) 02U .0301(b)		Reclaimed Water Generation (Type 2) 02U .0301(a)	
	monthly average	monthly average	monthly average	monthly average	daily max	monthly average	daily max
5-Day BOD ₅ (mg/L)	30	30	10	10	15	5	10
Total Suspended Solids (mg/L)	30	90	15	5	10	5	10
Ammonia (mg/L)	15		4	4	6	1	2
Fecal Coliforms (#/100mL)	200	200	14	14	25	3	25
Nitrate Nitrogen (mg/L)			10				
Turbidity (NTUs)					10		5
Coliphage (#/100mL)						5	25
Clostridium perfringens (#/100mL)						5	25

*This table is for general guidance and may not apply to every situation. Previously permitted facilities may have different effluent standards. For more detail, see 15A NCAC 02T and 02U.

Setback (ft)		Treatment Facility Type*					
		Wastewater Irrigation - Spray	Wastewater Irrigation - Drip	Wastewater High-Rate Infiltration - Spray	Wastewater High-Rate Infiltration - Drip	Wastewater High-Rate Infiltration - Basin	Reclaimed Water Irrigation
Disposal	Habitable Residence or Place of Assembly (under separate ownership)	400	100	400	100	100	
	Habitable Residence or Place of Assembly (owned by permittee & part of project site)	200	15	200	15	50	
	Water Supply Source	100	100	100	100	100	
	Surface Water	100	100	200	200	200	25 (100 for SA waters)
	Groundwater Lowering System	100	100	200	200	200	
	Surface Water Diversion	25	25	50	50	50	
	Well	100	100	100	100	100	100
	Property Line	150	50	150	50	50	
	Public Right of Way	50	50	50	50	50	
Treatment and Storage	Habitable Residence or Place of Assembly (under separate ownership)	100	100	100	100	100	100
	Water Supply Source	100	100	100	100	100	100
	Surface Water	50	50	50	50	50	50
	Well	100	100	100	100	100	100
	Property Line	50	50	50	50	50	50

*This table is for general guidance and does not contain all setbacks. Setbacks for previously permitted facilities may vary. For more detail, see 15A NCAC 02T and 02U.