

Irrigation / Agriculture



Yields of irrigated crops and other agricultural products are greatly influenced by the quality of the irrigation water. Haliant's principals designed and supplied a complete wastewater treatment system to reclaim tertiary effluent from the local wastetreatment plant for use in irrigating seedlings in a nursery.

Previous use of the untreated effluent resulted in considerable yield loss. The new system, utilizing chlorine-tolerant reverse osmosis, produced water ideal for seedling growth.

Membrane separation is the preferred method to reclaim wastewater for irrigation.

IRRIGATION / AGRICULTURE

Treated Water Results	Raw Water	Treated Water
Turbidity	> 10 NTU	< 0.1 NTU
Total Suspended Solids (TSS)	> 500 mg/L	< 1 mg/L
Biological Oxygen Demand (BOD)	> 200 mg/L	< 10 mg/L
Total Dissolved Solids (TDS)	> 1,500 mg/L	< 100 mg/L

