



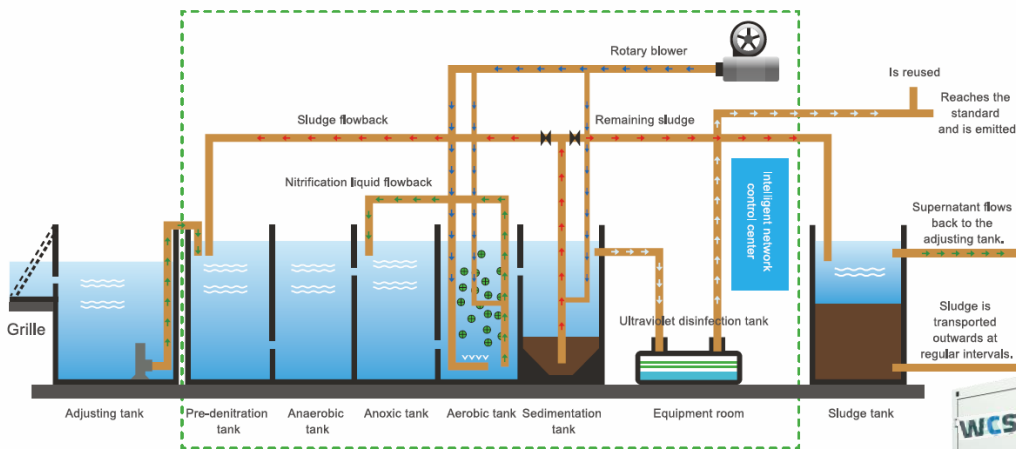
WCS

WASTEWATER COMPLIANCE SYSTEMS

www.wastewater-compliance-systems.com

801-999-8271

WCS Advanced Hybrid Package Wastewater Treatment Plant



What it includes?

The treatment steps include: a series of anaerobic/anoxic/aerobic processes with biological nutrient removal couple with activated sludge/MBBR, sedimentation tank, sludge recirculation and wastes, and disinfection. Screen, MBR, and sludge treatment system maybe provided upon request.

How it works?

Wastewater is passed through a screen to remove large particles, then flows to an equalization basin. The lift pump transfers the wastewater to the package plant. After the wastewater sequentially flows through the biological nutrient removal systems, sludge and water are separated in a sedimentation tank.

A portion of the settled sludge is returned back to the system to supplement the sludge quantity, the rest will be discharged for further treatment. The treated water is then passed through a filtration system (if needed) and then disinfected by an ultraviolet disinfection unit before discharge.





FEAURES & BENEFITS

- ❖ Pre-engineered, pre-fabricated system lower cost and less space
- ❖ Easy to transport
- ❖ Modular design for easy installation and expansion
- ❖ Low construction, operation and maintenance cost
- ❖ Easy to operate, needs less oversight

Effluent Guarantee Quality

Parameters	Influent, mg/L	Effluent, mg/L
COD	350	30
BOD	150	6
TN	45	15
Ammonia	35	1.5
TP	4	0.3
TSS	200	5

Applications

- ❖ Existing Plant Expansion
- ❖ Residential Communities
- ❖ Office Building
- ❖ Hotels & Resorts
- ❖ Work & Military Camps
- ❖ Hospital
- ❖ Oil fields

Specifications

Flowrate, GPD	Designed Power, Hp	Actual Power Consumption, Hp	Size, ft	Equipment Weight, lb
3,960	1.18	0.60	8.2×8.2×8.2	5,600
7,920	1.82	1.05	17×7.2×9.5	8,820
15,840	2.14	1.37	20×8.9×9.5	11,100
19,800	2.61	1.47	20×8.9×9.5	12,200
26,400	2.65	1.54	30×8.9×9.5	17,700
39,600	4.56	3.38	40×8.9×9.5	22,100
52,800	5.20	3.94	53×8.9×9.5	28,700
66,000	5.36	4.18	65×8.9×9.5	35,300



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