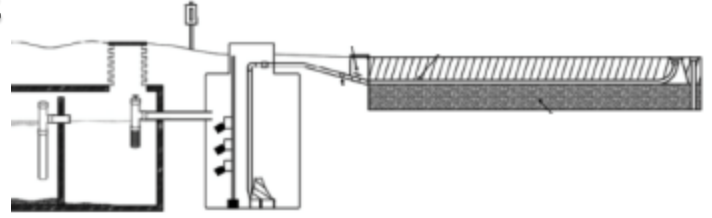


PRESSURE DISTRIBUTION OWTS OM&M MAINTENANCE REQUIREMENTS



Yolo County

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What is a Pressure Distribution OWTS/Septic System?

Pressure Distribution (PD) Systems are an alternative to a standard gravity-fed leach field system. A PD System uses a pump and small-diameter pressure piping to achieve broad, uniform distribution of wastewater for improved soil absorption and better Treatment of percolating effluent. PD Systems may be installed in shallow depths or in standard trench depths. PD Systems may be used after supplemental treatment. PD Systems may require an Operating Permit if determined by YCEH.

Pressure Distribution OWTS Management Requirements:

	Work <i>Unless operating under an Operating Permit, this work can be done by the Property Owner or Service Provider or OWTS installer.</i>	Frequency <i>Unless operating under an annual Operating Permit, these frequencies are recommended</i>
Inspection	<ul style="list-style-type: none"> • Depth of Effluent ponding within trench. • Indication of Effluent breakout or ponding. • Area verified free from roads, structures, vehicular traffic, and surface water drainage is diverted. • Observation or Inspection ports in good condition and accessible. • Check for equal distribution by measuring distal end orifice residual pressure head. • Condition of orifices and verification of hydro-flush, if necessary. • Perform all inspections of pump and appurtenances. 	<ul style="list-style-type: none"> • Recommend first three months, and annually thereafter.
Maintenance	<ul style="list-style-type: none"> • Purge laterals, squirt and balance. Exercise valves to ensure functionality. • Clean effluent filter, if installed. Clean twice a year or as needed. • Perform all maintenance work as recommended by equipment manufacturer for any special valves or other components. • Investigate & repair erosion, drainage or other disposal field problems, as needed. • Investigate and perform distribution system corrective work, as required. • Record work done. 	<ul style="list-style-type: none"> • Recommend first three months, and annually thereafter.
Water Monitoring & Sampling	<ul style="list-style-type: none"> • Measure and record water levels in trench inspection or observation ports. • Measure and record water levels in dispersal field monitoring ports, as applicable, per permit requirements. 	<ul style="list-style-type: none"> • Recommend measure trench water levels annually. • Other monitoring according to Permit conditions, as applicable.
Reporting	<ul style="list-style-type: none"> • Report findings to YCEH per Operating Permit requirements, if applicable. • Standard report to include dates, observation port or inspection port and monitoring port readings and other data collected, work performed, corrective actions taken, and performance summary. • Report public health/water quality emergency to YCEH immediately. 	<ul style="list-style-type: none"> • Annually, if operating under an Operating Permit. • Typically, none required, unless operating under an Operating Permit.

Annual Operating Permit Report Minimum Requirements, if necessary:

1. Septic Tank:
 - a. Inspection frequency should be once every 3-7 years.
 - b. Scum and sludge measurements (pumped by registered septage pumper, as needed).
 - c. Water intrusion (*dissolved oxygen measured by the service provider only, if needed*).
 - d. Integrity of tank, including observation for: cracks or indications of structural deterioration; condition of inlet and outlet T's; condition of lids and risers; indication of leaks in risers.
 - e. Presence and condition of effluent filter.
2. Pump and Dosing Chamber:
 - a. Scum and sludge measurements, pumping as needed.
 - b. Indication of water intrusion (dissolved oxygen measured by the service provider only).
 - c. Integrity of tank, including observation for: cracks or indications of structural deterioration; condition of inlet and outlet T's; condition of lids and risers; indication of leaks in risers.
 - d. Condition of and correct operation of all floats.
 - e. Orderly wrap of float cords.
 - f. Condition of pump intake screen.
 - g. Verification of pump cycle.
 - h. Siphon sitter functioning, if applicable.
3. Control panel in good working order based on checking the following components:
 - a. Timer and digital counter readings recorded by the service provider during the inspection. For control panels that record pump activity electronically, manual recordings are not necessary.
 - b. Pump cycle counter operation verified by the service provider in the field by manual operation of the pump. For control panels that record pump activity electronically, counter operation can be verified remotely.
 - c. Audible and visual alarms functioning.
 - d. Run time appropriate, if demand dose.
 - e. Electrical box free from moisture and secure connections.
4. Dispersal/Leach Field:
 - a. Depth of effluent ponding within trenches.
 - b. Indication of effluent breakout or discharge to surface of the ground.
 - c. Upkeep and accessibility of observation port and inspection ports.
 - d. Area verified as free from road, structures, vehicular traffic, surface water drainage with downspouts and landscape drainage properly diverted
 - e. Results of hydraulic loading test, if test is needed.