

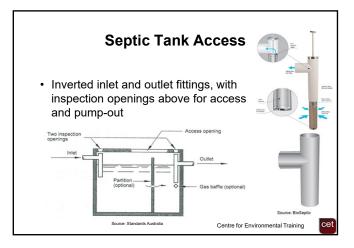




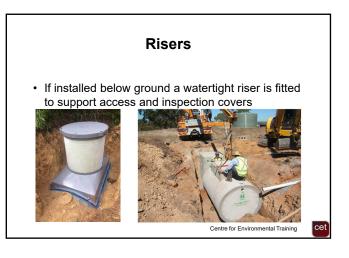
Baffles

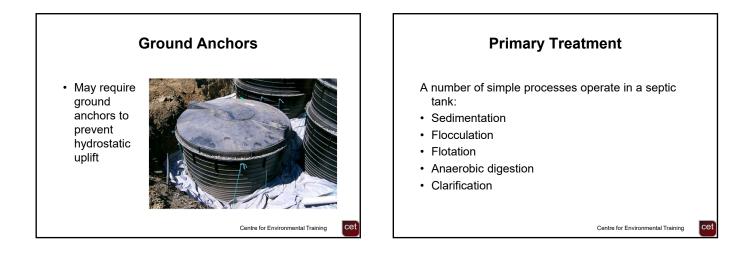
 May include a partition or baffle divider to assist with hydraulic buffering and reduce carry-over of solids

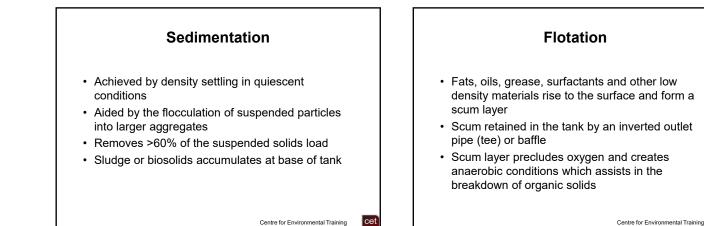


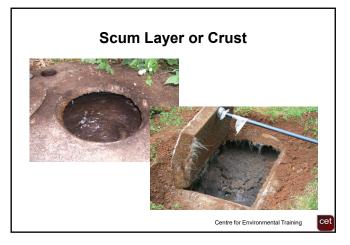




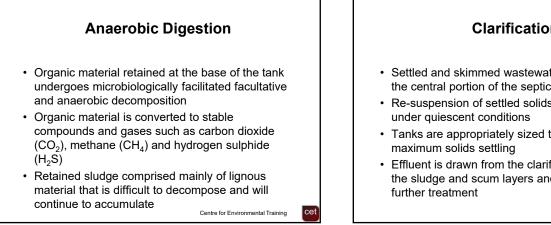




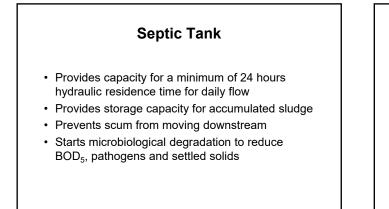












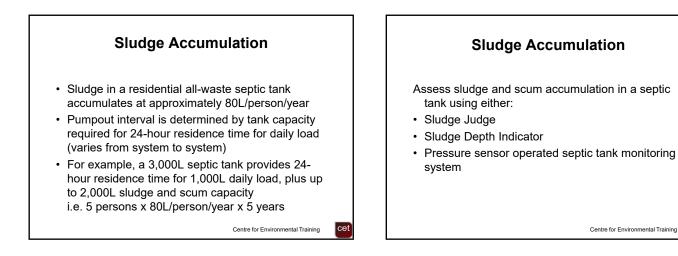
Septic Tank Capacity

All-waste septic tank capacities (AS/NZS1547:2012)

Persons	Bedrooms	Average daily flow (L)	Tank capacity
1 - 5	1-3	Up to 1,000L	3,000L
6 - 7	4	1,000 - 1,400L	3,500L
8	5	1,400 - 1,600L	4,000L
9 - 10	6	1,600 - 2,000L	4,500L

Centre for Environmental Training

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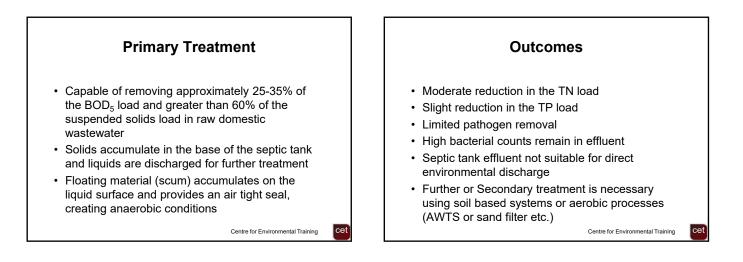


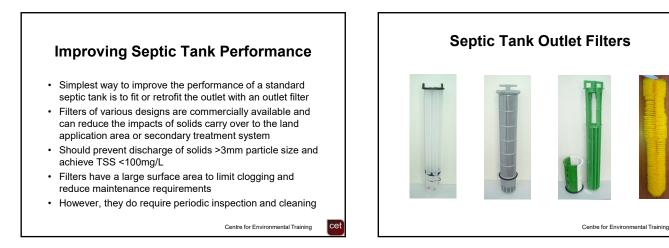
2.4



Septic Tank Effluent Quality

Parameter	Untreated domestic wastewater	Primary treated effluent	
BOD₅	200 - 300 mg/L	~ 150 mg/L	
Suspended Solids	200 - 300 mg/L	~ 50 mg/L	
Total Nitrogen	20 - 100 mg/L	50 - 60 mg/L	
Total Phosphorus	10 - 25 mg/L	10 - 15 mg/L	
Faecal Coliforms	10 ³ - 10 ¹⁰ cfu/100mL	10 ⁵ - 10 ⁷ cfu/100mL	











Outlet Filter Performance

Parameter	Typical ST effluent	Without effluent filter	With effluent filter	% Improvement
BOD₅	450	180	130	28%
TSS	503	80	50	38%
NH ₃ -N	41	40	40	0%
Org. N-N	29	28	28	0%
TKN-N	70	68	68	0%
Org. P-P	6.5	6	6	0%
Inorg. P-P	11	10	10	0%
TP	17	16	16	0%
Oil and grease	164	25	15	40%
iource: Crites & Tchobanoglou	us 1998		Centre for Envir	onmental Training

